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2655 Camino Del Rio N. Suite 302
San Diego, CA 92108
619-286-6195 TEL
619-286-6199 FAX

May 17, 2005

Project No. 08CH.51834.05

Mr. Eric Roehl
Chevron Environmental Management Company
145 S. State College Boulevard
P.O. Box 2292
Brea, CA 92822-2292

Subject: **Quarterly Remediation Progress Report, First Quarter 2005**
Former Chevron Service Station #9-1834
4175 Voltaire Street
San Diego, California 92107
Unauthorized Release # H12455-001

Dear Mr. Roehl:

SECOR International Incorporated (SECOR), on behalf of Chevron Environmental Management Company (Chevron), is performing soil and groundwater remediation at the above referenced site (Figure 1). The SVE system was shut down on February 17, 2005 to evaluate groundwater conditions for site closure. This report summarizes the operation and maintenance (O&M) activities and hydrocarbon mass removal at the subject site during the first quarter of 2005 (January through March).

SITE REMEDIATION HISTORY

The site operated as a Chevron Standard Oil Company fuel service station as early as 1955. In October 1996, DST Builders of Westminster, California exposed and removed five-steel underground storage tanks (USTs) and associated piping from the site (Alton, June 1997). Alton Geoscience conducted an initial site assessment and soil vapor extraction (SVE) feasibility survey following the removal of the USTs (Alton, July 1997).

The site assessments conducted by Alton included the installation of nine monitoring wells located on the site (MW-1 through MW-9) and three monitoring wells located off-site (MW-10 through MW-12). Two of the off-site monitoring wells are located in a parking lot southeast of the site, and the other off-site well is located on Voltaire Street, northeast of the site. The locations of the monitoring wells are illustrated on Figure 2.

Alton concluded, from their initial site assessment, that petroleum hydrocarbon-impacted soil and groundwater is present in the vicinity of the former UST cavity and the northeast portion of the site (Alton, June 1997). Liquid-phase hydrocarbons (LPH) have been identified in wells MW-1 and MW-9 as either a thickness or sheen since September 1999. LPH have not been identified in any of the other wells.

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On October 2, 2002, SECOR personnel followed the start up procedures specified in the Air Pollution Control District (APCD) Permit and the SVE system O&M manual. Vacuum was applied to the six SVE wells and air samples from each well were collected for laboratory analysis. Process, influent, and effluent air samples were collected to document the SVE system destruction efficiency. Table 1 summarizes the cumulative hydrocarbon mass removal of the SVE system.

BBC Environmental, Inc. (BBC) performed quarterly groundwater sampling and analysis at the site and manually bailed LPH from the wells each quarter from the project initiation to first quarter 2003. SECOR began performing groundwater sampling and analysis in the second quarter 2003. Constituents that have been detected in the wells historically include total petroleum hydrocarbon as gasoline (TPHg); benzene, toluene, ethylbenzene, xylene (BTEX); methyl-tert-butyl ether (MTBE); di-isopropyl ether (DIPE); and tert-butanol (TBA).

SOIL VAPOR EXTRACTION SYSTEM

SYSTEM DESCRIPTION

The SVE system is connected to six SVE wells, three of which are nested, dual-completion wells with shallow and deep screened sections. Vapors from the soil are extracted and treated by a catalytic oxidizer (catox) system. SECOR installed a 100 cubic-feet-per-minute King Buck/Hasstech Model MMC-5AT SVE/catalytic oxidizer unit at the subject site in September 2002. The SVE system layout is depicted on Figure 2. A process flow diagram is included as Figure 3.

The catox unit is designed to run continuously. The system is equipped with an automatic shut-off if the system maximum temperature, flow, or water level is exceeded. The SVE system is operating under the San Diego APCD Permit #978165.

Flat cotton wicks are used in MW-1 and MW-9 to reduce the sheen. The wicks are partially submerged in groundwater to aid in volatilization of sheen to then be extracted by the SVE system.

SYSTEM OPERATION AND MAINTENANCE

O&M activities during first quarter 2005 included a system optimization on January 17, 2005 and vapor rebound testing between February 2 and February 17, 2005. The SVE system was temporarily shut down on February 2, 2005 to test vapor rebound effects. Two weeks later on February 17, 2005, the system was restarted, vapor samples were collected immediately after startup, and the system was shut down. As shown in Table 2, SVE system process vapor concentrations only slightly increased from 21 parts per million (ppm) to 65 ppm as volatile fuel hydrocarbons (VFH). Vapor samples are analyzed for VFH, BTEX, and MTBE by EPA Methods 8260B. The analytical laboratory reports are included in Appendix A. Detailed descriptions of O&M activities are included in Appendix B in the O&M logs.

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HYDROCARBON MASS REMOVAL

During the first quarter of 2005, operation of the SVE system at former Chevron service station 9-1834 removed approximately 72 pounds of VFH and 0 pounds of benzene from the subsurface sediments. Since SVE system startup in October 2002, operation of the SVE system removed approximately 6,277 pounds of VFH and 31 pounds of benzene from the subsurface. Table 1 presents the calculated hydrocarbon mass removal results. Figure 4 is a graphical representation of the process VFH concentration versus hydrocarbon mass removal over time.

To evaluate permanent remediation system shut down and subsequent site closure, SECOR collected groundwater samples approximately one month following SVE system shut down to evaluate whether dissolved petroleum hydrocarbon concentrations increase (rebound) when the SVE system is no longer operating. The first quarter 2005 groundwater monitoring event occurred March 3, 2005. Groundwater monitoring data indicate that MW-1 has sheen. MW-1 was sampled, despite the presence of sheen, to determine the extent of hydrocarbons around these wells. Only three of the nine sampled wells were sampled first quarter 2005. MW-1 and MW-9 were detectable above the MTBE maximum contamination levels (MCLs) of 13 micrograms per liter ($\mu\text{g}/\text{L}$) at concentrations of 220 $\mu\text{g}/\text{L}$ in MW-9 and 430 $\mu\text{g}/\text{L}$ in MW-1. Benzene concentrations ranged from 150 $\mu\text{g}/\text{L}$ in MW-7 to 3,100 $\mu\text{g}/\text{L}$ in MW-1. Excerpts from the first quarter 2005 groundwater monitoring report are included as Appendix C, including a groundwater gradient map (Figure 2) and a benzene, MTBE, and TBA constituent concentrations in groundwater map (Figure 3).

CONCLUSIONS AND FUTURE ACTIONS

SVE system mass removal was minimal for the past two quarters. Source vapor sample laboratory analytical results report non-detectable quantities of benzene and asymptotically low quantities of VFH. The vapor rebound during the two week system shut down was not significant enough to continue operating the SVE system for soil vapor remediation. Since there was no apparent vapor rebound, groundwater conditions were evaluated for site closure. A significant increase in groundwater concentrations was not observed during first quarter 2005. In addition, the persistent sheen in MW-9 was absent on March 3, 2005. Based on these results, SECOR recommends that the SVE system be permanently shut down and removed from the site.

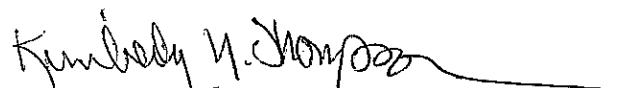
If you have any questions or comments, please call the undersigned at (619) 296-6195.

Sincerely,

SECOR International Incorporated



Kelsi S. Nelson
Project Engineer



Kimberly N. Thompson
Project Manager

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Attachments:

- Figure 1 - Site Location Map
- Figure 2 - Soil Vapor Extraction System Layout Map
- Figure 3 - Process Flow Diagram – Soil Vapor Extraction System
- Figure 4 - SVE System Performance
- Table 1 - Summary of SVE System Hydrocarbon Mass Removal
- Table 2 - Summary of SVE System Operation and Maintenance
- Appendix A - Certified Analytical Reports
- Appendix B - Operation and Maintenance Logs
- Appendix C - Excerpts from First Quarter 2005 Groundwater Monitoring Report

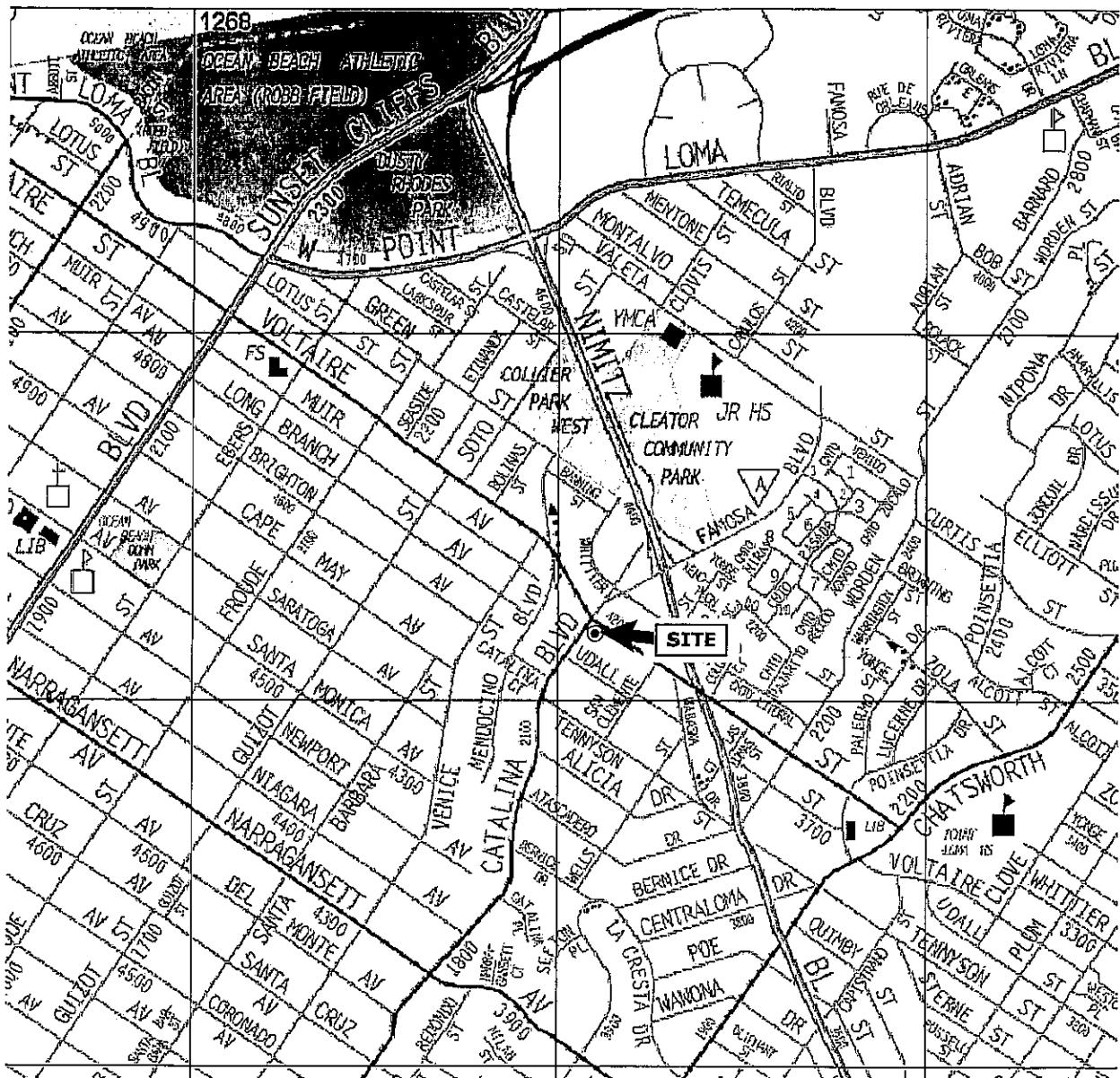
cc: Mr. Kent Huth, County of San Diego, Department of Environmental Health

REFERENCES

Alton Geoscience, Initial Site Assessment, Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California: Report prepared for Chevron U.S.A. Products Company dated June 26, 1997

Alton Geoscience, Soil Vapor Extraction Testing, Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California: Report prepared for Chevron U.S.A. Products Company dated July 25, 1997

FIGURES



REFERENCE: THOMAS GUIDE CD-ROM, PAGE & GRID 1268 B6.

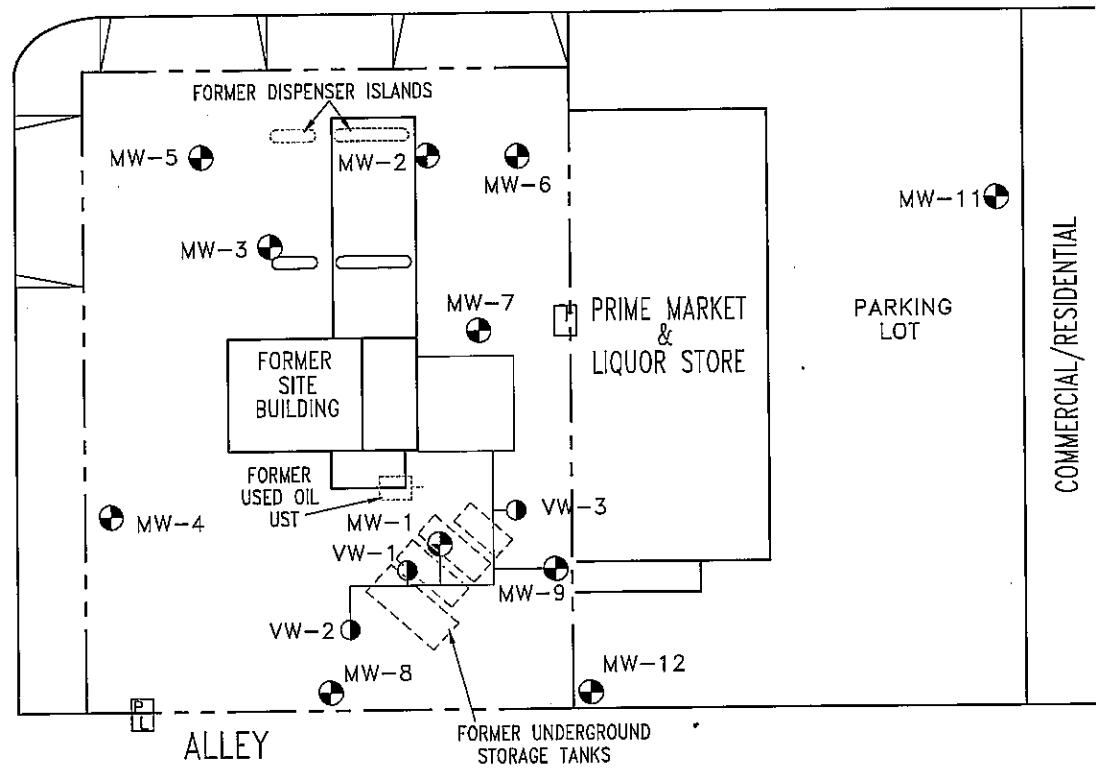


APPROXIMATE SCALE IN FEET

 SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	FOR:	SITE LOCATION MAP		FIGURE:
	FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA			1
JOB NUMBER: 08CH.51834.05	DRAWN BY: RO	CHECKED BY:	APPROVED BY:	DATE: 4/12/05

COMMERCIAL

VOLTAIRE STREET

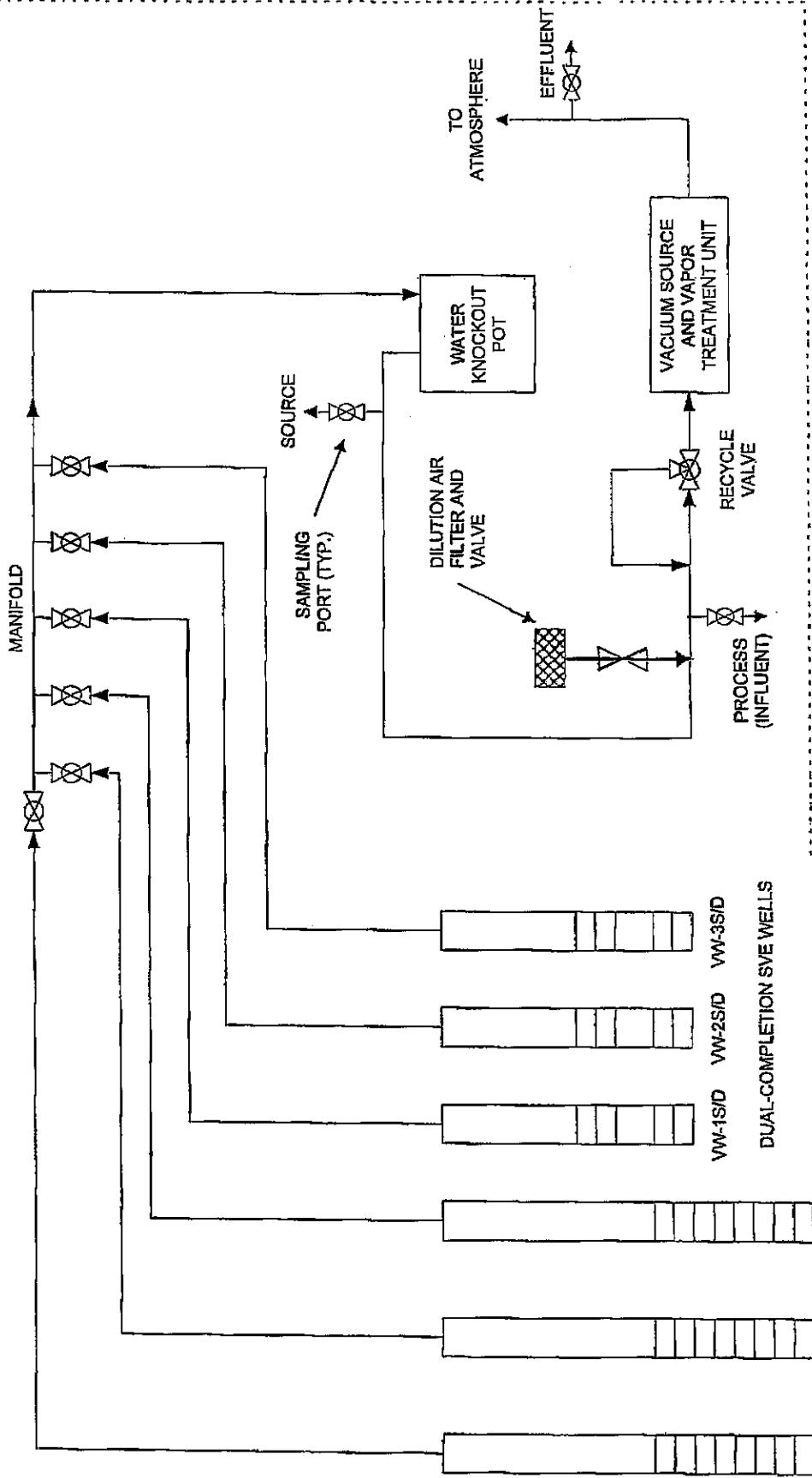


LEGEND:

- MW-3 MONITORING WELL LOCATION AND IDENTIFICATION.
- VW-1 NESTED VAPOR EXTRACTION WELL

S C A L E
1 inch = 40 feet
0 20 40

 SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	FOR:	FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	SOIL VAPOR EXTRACTION SYSTEM LAYOUT MAP	FIGURE:
	JOB NUMBER:	DRAWN BY: 08CH.51834.05	CHECKED BY: RO	APPROVED BY: DATE: 4/12/05

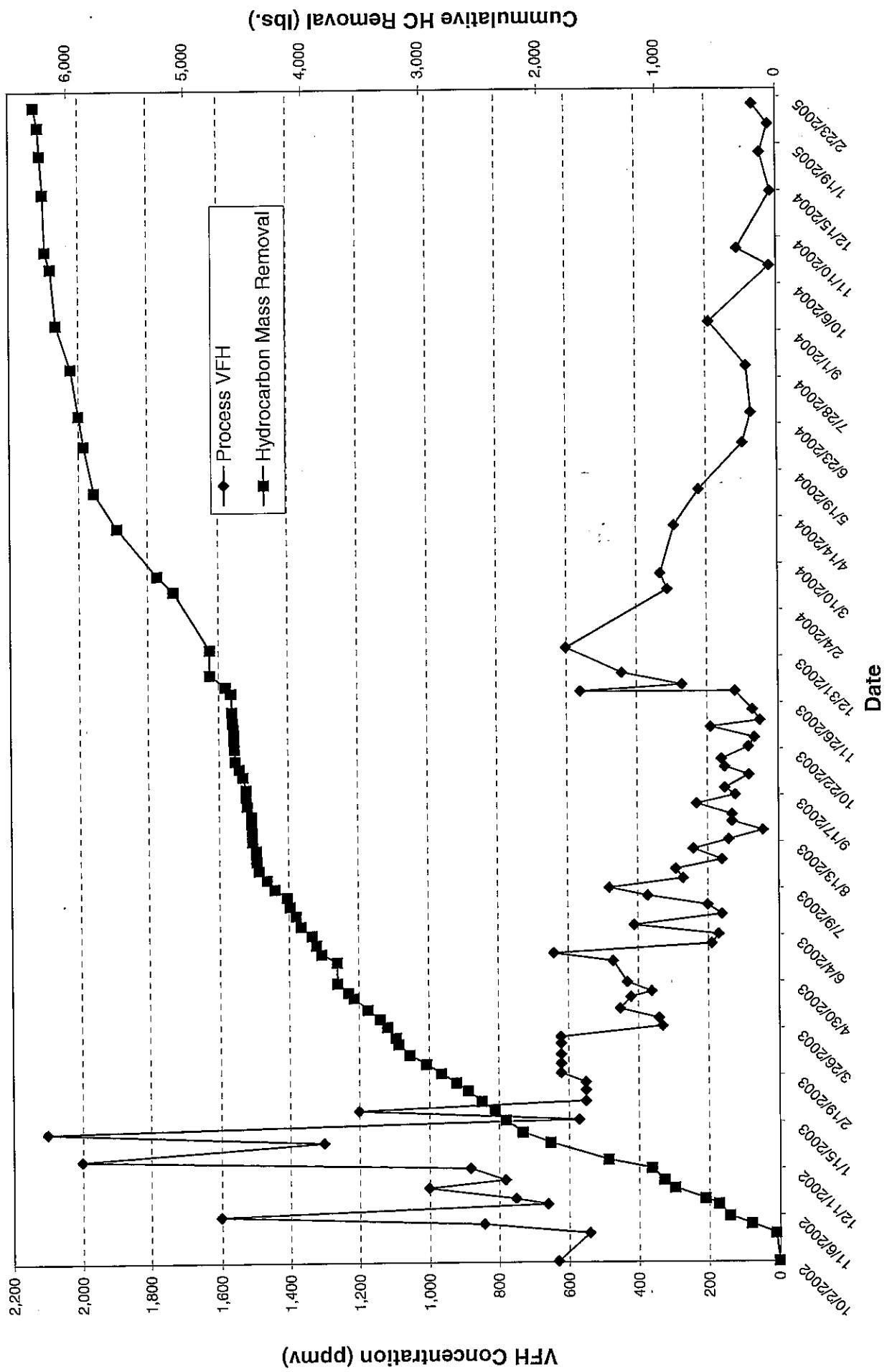


FENCED COMPOUND

FOR:		PROCESS FLOW DIAGRAM SOIL VAPOR EXTRACTION SYSTEM	
SECOR	FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	DRAWN BY: RO	CHECKED BY: APPROVED BY:
JOB NUMBER: 0BCH-51834-05	DATE: 4/12/05	FILE PATH:\CAD\ALLPROJECTS\2005\BWS\1CHEVRONTEXACO 2005\9-1834-2K\191854\PID4-05.dwg\RCOMP05\APR 25, 2005 AT 17:34\LAYOUT: Model	DATE: 4/12/05

FIGURE:
3

FIGURE 4
SVE System Performance
Former Chevron # 9-1834
4175 Voltaire Street, San Diego, CA



TABLES

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-2S, VW-3S	10/02/02 16:15	~1945	0	-	100	630	<4.0	0	0.0	System Start-up; temp breaker needs maintenance.
VW-1S, VW-2S, VW-3S	10/23/02 13:30	1980	35	7%	98	540	<8.0	28	0.2	System down due to heating element breaker.
VW-1S, VW-2S, VW-3S	10/30/02 12:30	2144	199	98%	97	840	<32	233	3.2	
VW-1S, VW-2S, VW-3S	11/05/02 12:00	2220	275	53%	99	1,600	39	417	6.7	
VW-1S, VW-2S, VW-3S	11/14/02 08:00	2314	369	44%	99	660	<1.6	511	6.8	Heating element breaker repaired
VW-1S, VW-2S, VW-3S	11/18/02 09:30	2411	466	99%	100	750	<1.6	623	6.9	
VW-1S, VW-2S, VW-3S	11/26/02 06:00	2579	634	89%	98	1,000	<16	875	8.5	
VW-1S, VW-2S, VW-3S	12/02/02 13:00	2656	711	51%	100	780	1.6	966	8.6	System down, high water alarm. Sampling error.
VW-1S, VW-2S, VW-3S	12/11/02 14:00	2746	801	41%	87	880	<1.6	1,072	8.7	Power outage due to storm. Sampling error.
VW-1S, VW-2S, VW-3S, MW-1	12/17/02 08:00	2883	938	99%	87	2,000	4.5	1,437	9.3	Opened one deep well
VW-1S, VW-2S, VW-3S, MW-1	12/30/02 16:00	3202	1257	100%	77	1,300	<6.4	1,926	10.3	
VW-1S, VW-2S, VW-3S, MW-1	01/07/03 16:00	3295	1350	48%	78	2,100	<6.4	2,159	10.5	System down, high temp. alarm.
VW-1S, VW-2S, VW-3S, MW-1	01/16/03 10:00	3503	1558	99%	78	570	<1.6	2,300	10.7	
VW-1S, VW-2S, VW-3S, MW-1	01/23/03 10:00	3560	1615	34%	85	1,200	<16	2,389	11.2	Unit was down due to high water and high temp.
VW-1S, VW-2S, VW-3S, MW-1	01/30/03 16:00	3729	1784	97%	80	550	<1.6	2,503	11.3	
VW-1S, VW-2S, VW-3S, MW-1	02/07/03 16:00	3890	1945	84%	84	550	<1.6	2,617	11.4	Unit was down due to high water.
VW-1S, VW-2S, VW-3S, MW-1	02/13/03 10:00	4034	2089	104%	81	550	<1.6	2,715	11.5	Lab lost the vapor samples.
VW-1S, VW-2S, VW-3S, MW-1	02/20/03 14:00	4200	2255	97%	82	620	<32	2,844	14.1	
VW-1S, VW-2S, VW-3S, MW-1	02/27/03 09:00	4364	2419	101%	83	620	<32	2,973	16.7	No samples collected.

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VW-1S, VW-2S, VW-3S, MW-1	03/06/03 17:00	4540	2595	100%	83	620	< 32	3,112	19.5	
VW-1S, VW-2S, VW-3S, MW-1	03/14/03 15:00	4654	2709	60%	87	620	< 32	3,206	21.4	Heater Circuit blown on arrival. No samples collected.
VW-1S, VW-2S, VW-3S, MW-1	03/19/03 16:00	4681	2736	22%	80	620	< 1.6	3,227	21.4	Knock-out pot installed 3/18/03.
VW-1S, VW-2S, VW-3S, MW-1	03/27/03 09:30	4865	2920	99%	79	330	< 0.63	3,300	21.5	Replaced burnt cables 3/25/03.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/02/03 13:30	5014	3069	101%	80	340	< 8.0	3,362	22.1	Opened VW-1D and VW-3D, closed VW-2S
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/09/03 09:00	5176	3231	99%	90	450	< 8.0	3,463	22.8	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/18/03 09:00	5393	3448	100%	85	420	< 6.4	3,581	23.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/22/03 09:00	5488	3543	99%	92	360	< 8.0	3,629	23.9	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	04/29/03 15:00	5630	3685	82%	96	430	< 6.4	3,719	24.4	System down for gw sampling
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/15/03 08:30	5634	3689	1%	96	470	< 8.0	3,722	24.4	System down since 4/29/03
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/21/03 16:30	5784	3839	99%	90	640	< 1.6	3,854	24.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	05/28/03 12:30	5948	4003	100%	90	190	< 6.4	3,897	25.1	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/04/03 13:30	6117	4172	100%	91	170	< 4.0	3,937	25.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/11/03 09:00	6282	4337	101%	90	410	< 1.6	4,030	25.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/19/03 10:00	6475	4530	100%	90	160	< 1.6	4,073	25.8	Drained KO pot, manual dilution 15% open.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	06/26/03 09:40	6643	4698	100%	95	200	< 1.6	4,122	25.9	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/03/03 09:30	6693	4748	30%	95	370	< 1.6	4,148	26.0	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/09/03 00:00	6840	4895	109%	97	480	< 1.6	4,253	26.1	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/16/03 09:15	7005	5060	93%	95	270	< 1.6	4,318	26.3	

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VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/23/03 08:30	7172	5227	%	95	290	< 1.6	4,388	26.4	Unit down upon arrival. Control panel sited power out restarted took samples.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/30/03 11:00	7248	5303	45%	97	160	< 1.6	4,406	26.5	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/07/03 00:00	7249	5304	1%	95	240	< 1.6	4,407	26.5	Unit down upon arrival.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/14/03 09:00	7415	5470	94%	95	140	< 1.6	4,441	26.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/21/03 10:50	7416	5471	1%	95	43	< 1.6	4,441	26.6	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/28/03 00:00	7467	5522	32%	95	130	< 1.6	4,450	26.7	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/02/03 12:15	7467	5522	0%	98	130	< 1.6	4,450	26.7	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/10/03 12:15	7565	5620	51%	97	230	< 1.6	4,484	26.8	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/17/03 12:30	7609	5664	26%	95	120	< 1.6	4,491	26.8	Unit down upon arrival; started and adjusted mechanics.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/22/03 00:00	7619	5674	9%	95	150	< 1.6	4,494	26.8	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/02/03 09:30	7853	5908	94%	90	82	< 1.6	4,520	27.0	Optimized system.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/08/03 00:00	7997	6052	100%	90	150	< 1.6	4,550	27.1	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/14/03 11:00	8143	6198	94%	92	160	< 1.6	4,583	27.3	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/23/03 09:15	8216	6271	34%	92	83	< 1.6	4,591	27.3	Unit down upon arrival (low flow).
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/30/03 00:00	8291	6346	47%	94	66	< 1.6	4,598	27.4	Adjusted manual dilution.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/07/03 09:00	8293	6348	1%	90	190	< 1.6	4,599	27.4	Raised vacuum (18") and flowrate (95 cfm).
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/12/03 09:00	8413	6468	100%	93	50	< 1.2	4,608	27.5	

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VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/20/03 09:30	8464	6519	26%	93	71	< 1.2	4,613	27.5	Unit down upon arrival (power outage). Turned unit off at departure for groundwater sampling event next week.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/04/03 06:15	8480	6535	5%	97	120	< 1.6	4,615	27.5	Dilution air adjusted and process sample taken.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/04/03 15:00	8489	6544	98%	97	560	< 1.6	4,623	27.5	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/09/03 08:00	8602	6657	100%	90	270	< 1.6	4,665	27.6	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/18/03 09:10	8819	6874	100%	90	440	< 1.6	4,796	27.8	Turned off unit until 2004.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/06/04 08:15	8820	6875	0%	95	600	< 1.6	4,797	27.8	Turned unit on for 1st time in 2004.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/13/04 08:00	8889	7044	100%	90			4,797	27.8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/23/04 10:00	9230	7285	100%	95			4,797	27.8	Installed ORC socks at 53' depth in MW-1 and MW-9. Drained 55 gallons from the knock-out pot.
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/28/04 09:30	9348	7403	99%	95			4,797	27.8	
VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/04/04 12:00	9494	7549	86%	93			4,797	27.8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/09/04 00:00							4,797	27.8	System down. GWS truck ran over above ground piping. SVE piping cracking and breaking.
VW-2D, MW-1, MW-7, MW-9	02/19/04 10:00	9493	7548	0%	95	310	< 1.6	5,101	28.4	Optimized system. Closed VW-3S & VW-3D due to low concentrations.
VW-2D, MW-1, MW-7, MW-9	02/26/04 00:00	9562	7717	100%	85			5,101	28.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/02/04 11:00	9784	7839	93%	90	330	< 1.6	5,233	28.7	Drained 45 gallons from knock out pot. Changed absorbent socks in MW-1 and MW-9. Drained 4" lateral pipes.
VW-2D, MW-1, MW-7, MW-9	03/11/04 09:00	9999	8054	100%	90			5,233	28.7	Adjusted vacuum, labeled all wells with dog tags, and checked socks.
VW-2D, MW-1, MW-7, MW-9	03/18/04 08:00	10166	8221	100%	90			5,233	28.7	

TABLE 1
Summary of SVE System Hydrocarbon Mass Removal
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-2D, MW-1, MW-7, MW-9	03/27/04 00:00	10377	8432	100%	90			5,233	28.7	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/31/04 00:00	10478	8533	100%	90			5,233	28.7	Used new microfd to measure concentrations. Pulled knock out drums out of compound for pickup. Put new socks in MW-1 & MW-9.
VW-2D, MW-1, MW-7, MW-9	04/07/04 00:00	10648	8703	100%	90	290	< 1.6	5,578	29.4	Used new microfd to read sample concentrations.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/16/04 00:00	10862	8917	99%	90			5,578	29.4	Optimized system.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/20/04 10:00	10956	9011	89%	90			5,578	29.4	Checked socks - will replace next week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	04/28/04 09:00	11146	9201	99%	90			5,578	29.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/04/04 10:30	11293	9348	101%	90	220	< 1.6	5,774	30.0	Turn unit on - system off for groundwater sampling earlier in the week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/14/04 10:00	11348	9403	23%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/18/04 09:30	11442	9497	98%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	05/24/04 07:30	11584	9639	100%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/05/04 01:00	11867	9922	101%	90			5,774	30.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/08/04 07:30	11944	9999	98%	90	96	< 1.6	5,860	30.5	System down upon arrival - low flow.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/15/04 08:30	11999	10054	33%	93			5,860	30.5	Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	06/22/04 07:30	12165	10220	99%	90			5,860	30.5	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/01/04 08:30	12383	10438	100%	93	130	< 1.6	5,941	30.9	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/06/04 08:00	12507	10562	104%	90			5,941	30.9	Unit down. Restarted and took parameters.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/13/04 08:15	12667	10722	95%	90			5,941	30.9	Changed wicks in MW-1 and MW-9.

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4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/20/04 08:15	12659	10724	1%	90			5,941	30.9	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/26/04 09:15	12675	10730	4%	92			5,941	30.9	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/05/04 09:30	12916	10971	100%	95	85	< 1.6	6,007	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/12/04 09:00	12919	10974	2%	95			6,007	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/18/04 09:00	13061	11116	99%	92			6,007	31.4	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/30/04 09:00	13348	11403	100%	92			6,007	31.4	System down upon arrival. Restarted.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	09/07/04 10:00	13389	11444	21%	93	190	< 1.6	6,135	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/14/04 10:00	13390	11445	1%	90			6,135	31.4	Unit down upon arrival. Circuit breaker in panel had been tripping on/off for the last few weeks. Shut off power - lock out/tag out. Removed part in question and will replace.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	09/24/04 10:00	13398	11453	3%				6,135	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	10/12/04 11:30	13400	11455	0%	90			6,135	31.4	Installed new circuit breaker. Restarted unit. Unit has not run since 9/24/04.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	10/19/04 12:30	13729	11784	100%	90	19	< 2.4	6,144	31.4	
VW-1S, VW-1D, VW-2S, MW-1, MW-7	10/26/04 12:30	13896	11951	99%	95			6,144	31.4	Optimized system.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/01/04 10:00	14014	12069	83%	95	110	< 1.6	6,189	31.4	Unit was off upon arrival. System restarted okay.

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SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/11/04 09:00	14094	1249	33%	95			6,189		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/18/04 13:30	14249	12304	90%	90			6,189		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/23/04 10:00	14383	12438	115%	90			6,189		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	11/30/04 08:30	14522	12577	83%	90			6,189		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/07/04 08:30	14634	12689	67%	90			6,189		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/14/04 11:00	14799	12854	97%	90	15	<1.6	6,205		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/21/04 09:15	14970	13025	103%	90			6,205		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/03/05 10:00	14971	13026	0%	90			6,205		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/12/05 09:00	15162	13217	89%	90	44	<1.6	6,227	31.4	Took monthly samples.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/17/05 08:30	15302	13357	100%	95			6,227	31.4	Performed system optimization
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/28/05 10:00	15569	13624	100%	90			6,227	31.4	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/02/05 09:00	15687	13742	99%	90	21	<1.6	6,243	31.4	Took samples and checked MW-1 and MW-9 wicks, then shut off the system. Will return in two weeks to check for vapor rebound.

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SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Process VFH (ppmv)	Process Benzene (ppmv)	Cumul. VFH Removed (lbs.)	Cumul. Benzene Removed (lbs.)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/17/05 06:00	15687	13742	0%	90	65	<1.6	6,277	314	Turned the system on, took samples right away, turned the system off.
TOTAL LBS. OF HYDROCARBONS REMOVED DURING FIRST QUARTER										
TOTAL LBS. OF HYDROCARBONS REMOVED SINCE INITIAL START UP										
TOTAL LBS. OF BENZENE REMOVED DURING FIRST QUARTER										
TOTAL LBS. OF BENZENE REMOVED SINCE INITIAL START UP										
TOTAL HOURS ON-LINE DURING FIRST QUARTER										
TOTAL HOURS ON-LINE SINCE INITIAL START UP										

NOTES:

Analytical results below minimum detection limit (MDL) are used as 1/2 MDL in calculations
italics = Data interpolated or estimated from adjacent data points

< = Values are below MDL for the laboratory instrument

~ = Approximately equal to

cfm = cubic feet per minute

ppmv = Vapor concentration in parts per million by volume

VFH = Total volatile fuel hydrocarbons as gasoline measured by laboratory analysis

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Process VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
MW-1S, VW-2S, VW-3S	10/02/02 16:15	~1945	0	-	100	625	769	20,047	3,400	1,020	630	134	42
MW-1S, VW-2S, VW-3S	10/23/02 13:30	1980	35	7%	98	675	783	553	540	94	28.0	-	95%
MW-1S, VW-2S, VW-3S	10/30/02 12:30	2144	199	98%	97	675	798	6,361	470.7	840	19	-	System down due to heating element breaker.
MW-1S, VW-2S, VW-3S	11/05/02 12:30	2220	275	55%	99	99	798	-	-	1,600	-	-	-
MW-1S, VW-2S, VW-3S	11/14/02 08:00	2314	369	44%	99	99	861	3,817 R	425 R	680 R	31 R	-	Heating element breaker repaired
MW-1S, VW-2S, VW-3S	11/18/02 08:30	2411	465	99%	100	825	911	2,620	510	750	139	-	-
MW-1S, VW-2S, VW-3S	11/25/02 06:00	2679	634	89%	98	825	883	2,087 R	526 R	1,000 R	9 R	-	System down, high water alarm. Sampling area
MW-1S, VW-2S, VW-3S	12/02/02 13:00	2656	711	51%	100	825	897	2,324	612	780	154	-	Power outage due to storm.
MW-1S, VW-2S, VW-3S	12/11/02 14:00	2746	801	41%	87	825	839	11,028 R	19,000 R	194 R	1,400 R	337 R	NA
MW-1S, VW-2S, VW-3S, MW	12/17/02 08:00	2883	938	99%	87	825	874	11,053	260	2,000	0.0	-	System down, high water alarm. Sampling area
MW-1S, VW-2S, VW-3S, MW	12/19/02 08:30	NM	NM	NM	NM	NM	NM	7,621	6,400	1,105	880	0.0	100%
MW-1S, VW-2S, VW-3S, MW	12/30/02 16:00	3202	1257	100%	77	824	1,036	6,252	3,500	1,340	1,300	0.0	<2.4
MW-1S, VW-2S, VW-3S, MW	01/07/03 16:00	3295	1350	49%	78	825	990	5,172	-	1,233	2,100	0.0	-
MW-1S, VW-2S, VW-3S, MW	01/11/03 10:00	3503	1558	99%	78	825	840	3,752	-	146	570	0.0	-
MW-1S, VW-2S, VW-3S, MW	01/23/03 10:00	3560	1615	34%	85	800	970	4,278	-	1,358	1,200	0.0	-
MW-1S, VW-2S, VW-3S, MW	01/30/03 16:00	3729	1784	97%	80	800	913	2,669	-	1,503	550	23	-
MW-1S, VW-2S, VW-3S, MW	02/07/03 16:00	3980	1905	84%	84	800	910	2,314	-	1,151	0.4	-	Unit was down due to high water.
MW-1S, VW-2S, VW-3S, MW	02/13/03 10:00	4034	2089	104%	81	800	887	728	-	1,246	40.6	-	Lab lost the vapor samples
MW-1S, VW-2S, VW-3S, MW	02/20/03 14:00	4200	2255	97%	82	800	910	1,588	1,600	759	620	26	<2.4
MW-1S, VW-2S, VW-3S, MW	03/14/03 15:00	4654	2709	101%	83	800	869	1,231	-	750	0.0	-	No samples collected.
MW-1S, VW-2S, VW-3S, MW	02/27/03 09:00	4884	2419	101%	83	800	867	966	-	563	0.0	-	Heater Circuit blown on arrival. No samples collected.
MW-1S, VW-2S, VW-3S, MW	03/06/03 17:00	4540	2595	100%	83	800	867	966	-	481	1.3	-	Knock-out pot installed 3/18/03.
MW-1S, VW-2S, VW-3S, MW	03/14/03 15:00	4654	2709	60%	87	825	900	752	-	-	-	-	-
MW-1S, VW-2S, VW-3S, MW	03/19/03 16:00	4681	2736	22%	80	799	857	1,573	-	1,040	620	0.0	-
MW-1S, VW-2S, VW-3S, MW	03/27/03 09:30	4855	2920	99%	79	789	843	864	-	331	330	0.0	-
MW-1S, VW-1D, VW-3S, MW	04/02/03 13:30	5014	3059	101%	80	800	840	1,195	930	460	340	0.2	<2.4
MW-1D, MW-1	04/09/03 08:00	5176	3231	99%	90	799	812	21	-	17	450	0.2	-
MW-1S, VW-1D, VW-3S, MW	04/18/03 09:00	5293	3448	100%	85	800	845	984	-	831	420	8.7	-
MW-1S, VW-1D, VW-3S, MW	04/22/03 09:00	5488	3543	99%	92	800	855	723	-	493	360	2.3	-
MW-1S, VW-1D, VW-3S, MW	04/29/03 15:00	5630	3685	82%	96	763	783	697	-	489	430	0.5	-
MW-1S, VW-1D, VW-3S, MW	05/15/03 09:00	5634	3689	1%	96	763	801	1,243	-	608	470	0.2	-
MW-1S, VW-1D, VW-3S, MW	05/21/03 16:30	5784	3839	99%	90	800	850	895	-	396	540	0.0	-
MW-1S, VW-1D, VW-3S, MW	05/28/03 12:30	5948	4003	100%	90	800	843	1,650	220	1,300	190	4.6	<2.4
MW-1S, VW-1D, VW-3S, MW	06/04/03 13:30	6117	4172	100%	91	800	837	1,150	170	1,007	170	4.4	<2.4
MW-1S, VW-1D, VW-3S, MW	06/11/03 09:00	6282	4337	100%	90	800	846	1,531	360	1,300	410	18.6	6.5
MW-1S, VW-1D, VW-3S, MW	06/19/03 10:30	6475	4530	100%	90	800	837	1,665	160	1,240	230	9.1	98%
MW-1S, VW-1D, VW-3S, MW	06/26/03 09:40	6643	4698	100%	95	800	807	1,480	1,203	200	200	22.2	-

TABLE 2
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VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/03/03 08:30	6693	4748	30%	95	800	804	1,630	1,347	370	27.6		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/09/03 00:00	6840	4895	100%	97	800	840	1,391	1,179	480	21.3		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/16/03 08:15	7005	5060	93%	95	800	807	1,371	1,177	270	19.6		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/23/03 08:30	7172	5227	100%	95	800	840	1,243	1,096	290	20.4		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	07/30/03 11:00	7248	5303	45%	97	710	677	1,236	981	160	18.7		Unit down upon arrival. Control panel failed power out restarted took samples.
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/07/03 00:00	7249	5304	1%	95	800	812	1,119	1,011	240	13.9		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/14/03 09:00	7415	5470	94%	95	800	824	2,500	270	400	140	18.0	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/21/03 18:40	7416	5471	1%	95	800	827	2,200	429	43	18.2		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	08/28/03 00:00	7467	5522	34%	95	800	826	2,271	411	130	19.1		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/04/03 12:15	7467	5522	0%	98	800	822	2,314	780	438	130	20.3	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/11/03 12:15	7565	5620	51%	97	800	821	2,831	763	230	21.2		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/17/03 12:30	7609	5664	26%	95	800	823	2,219	621	120	23.8		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	09/22/03 00:00	7619	5674	9%	95	800	834	1,600	597	150	11.7		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	10/02/03 09:30	7653	5908	94%	90	800	803	4,778	240	2,107	82	11.0	<2.4
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	10/08/03 00:00	7987	6032	100%	90	800	805	4,813	2,006	150			100%
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	10/14/03 11:00	8143	6198	94%	92	802	807	4,536	1,988	160			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	10/23/03 09:15	8216	6271	34%	92	800	805	5,246	1,973	83			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	10/30/03 00:00	8281	6346	47%	94	800	804	5,311	1,937	66			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	11/12/03 09:00	8413	6468	100%	93	800	805	4,895	1,890	190			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	11/07/03 09:00	8283	6348	1%	90	802	801	5,200	530	1,880	50	121.0	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	12/04/03 06:15	8480	6535	- 5%	97	675	806	9,999	340	1,600	120	<2.4	
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	11/20/03 09:30	8484	6519	26%	93	800	804	5,289	1,938	71			
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	12/04/03 15:30								560				
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	12/09/03 08:00	8502	6657	100%	90	800	855	>9999	>9999	270	143.0		
VW-1S, VW-1D, VW-3S, VW-3D, MW-1	12/16/03 09:10	8819	6874	100%	90	800	848	>9999	6,739	440	187.0		
VW-1S, VW-1D, VW-3S, VW-3D, MW-9													Turned off until 2004.

TABLE 2

**Summary of SVE System Operation and Maintenance
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA**

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/05/04 05:15	8820	6875	0%	95	800	839	8,987	500	6,844	600	194.0	40
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/13/04 10:00	8989	7044	100%	90	800	846	8,312		5,537		187.0	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/23/04 10:00	9230	7285	100%	95	800	823	8,829		5,647		173.0	Installed CRC socks at 53' depth in MW-1 and MW-9. Drained 55 gallons from the knock-out pot.
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/29/04 09:30	9348	7403	99%	95	800	832	8,377		5,148		168.0	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/04/04 12:00	9494	7549	85%	93	800	827	8,100		5,000		173.0	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	02/09/04 00:00												System down. GWS truck fan over above ground piping. SVE piping cracking and breaking.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/19/04 10:00	9493	7548	0%	95	800	839	>9999	250	>9999	310	200.0	<2.4
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/26/04 00:00	9662	7717	100%	85	800	834	>9999		>7883		183.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/02/04 11:00	9784	7839	93%	90	800	831	>1000	200	>1000	330	79.0	6.2
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/11/04 09:00	9999	8054	100%	90	800	804	>9999		>9999		284	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/18/04 08:00	10166	8221	100%	90	800	829	>9999		>9999		228	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/27/04 00:00	10377	8432	100%	90	800	829	>9999		>9999		231	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	03/31/04 00:00	10478	8533	100%	90	800	819	90		130		7.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	04/07/04 00:00	10648	8703	100%	90	800	821	98	170	90	290	2.0	8.7
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	04/16/04 00:00	10852	8917	99%	90	800	817		175		148		25.0
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	04/20/04 10:00	10956	9011	89%	90	800	821	168		157		24.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	04/28/04 09:00	11146	9201	99%	90	800	822	172		160		21.0	Checked socks - will replace next week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/04/04 10:30	11293	9348	101%	90	800	821	91	170	91	220	9.5	96%
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/11/04 09:30	11442	9497	98%	90	800	807		127		123		Turn unit on - system off for groundwater sampling earlier in the week.
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/24/04 07:30	11584	9539	100%	90	800	815	119		117		19.0	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/05/04 11:00	11867	9922	101%	90	800	811		90		88		6.0
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/08/04 07:30	11944	9999	98%	90	800	813	95	62	89	96	3.0	<2.4
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	05/15/04 08:30	11999	10054	33%	93	800	811	103			94		4.0
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	06/22/04 07:30	12165	10220	99%	90	804	805	68		61		6.0	

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Process VFH (ppmv) (Lab)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/01/04 08:30	12383	10438	100%	93	800	805	80	72	76	130	< 2.4	100%	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7	07/05/04 08:00	12607	10652	104%	90	800	813	77	56			5.0	Unit down. Restarted and took parameters.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/13/04 08:15	12667	10722	95%	90	800	802	83	76			6.0	Changed wicks in MW-1 and MW-9.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/20/04 08:15	12669	10724	1%	90	800	811	90	80			6.0	System down upon arrival. Restarted.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	07/26/04 08:15	12675	10730	4%	92	800	821	95	87			<3.0	Unit down. Restarted. When unit got to temp, circuit breaker popped. Shutting the unit down again. Circuit breaker was very warm to touch. Tightened wires, restarted. Running okay.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/05/04 09:30	12916	10971	100%	95	800	812	100	89	85		<2.0	Shut down system after sampling groundwater event next week. Checked wicks. Date on yellow 55-gal drum for wicks & socks 6/22/04.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/12/04 09:00	12919	10974	2%	95	750	737	100	80			<2.0	Turned system back on after GWS event. Changed wicks out. Lowered combustion temperature from 750 to 800.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/18/04 08:00	13061	11116	99%	92	750	757	91	87			<2.0		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	08/30/04 09:00	13348	11403	100%	92	760	755	85				<2.0		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	09/07/04 10:00	13369	11444	21%	93	760	751	100	150	96	190	<2.0		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	09/14/04 10:00	13350	11445	1%	90	760	743	100				<3.0		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	09/24/04 10:00	13398	11453	3%									Unit down upon arrival. Circuit breaker in panel had been tripping on/off for the last few weeks. Shut off power - lock out/tag out. Removed part in question and will replace.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	10/12/04 11:30	13400	11455	0%	90	760	740	121				<4	Installed new circuit breaker. Restarted unit. Unit has not run since 9/24/04.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	10/19/04 12:30	13729	11784	100%	90	753	740	100	12	97	19	<3	<2.4	100%
VW-1S, VW-1D, VW-3D, MW-1, MW-7, MW-9	10/26/04 12:30	13866	11951	99%	95	760	756	35				4.0		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	11/01/04 10:00	14014	12069	83%	95	800	786	68	110			<5	Optimized system.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	11/11/04 09:00	14094	12149	33%	95	800	827	77				<5	Unit was off upon arrival. System restarted okay.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	11/11/04 13:30	14249	12304	90%	90	800	828	82				<4		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	11/23/04 10:00	14333	12438	115%	90	800	831	75				<4	Replaced wicks in both wells.	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-3D, MW-4, MW-7, MW-9	11/30/04 08:30	14522	12577	83%	90	800	831	84				<4	Hi water: shut off system. Drained water into 55-gallon drums. Restarted system.	

TABLE 2
Summary of SVE System Operation and Maintenance
Former Chevron Station #9-1834
4175 Voltaire Street, San Diego, CA

SOURCE WELLS	Date	Run Time Meter (hrs)	Cumul. Run Time (hrs)	Percent Up-Time	Process Flow Rate (cfm)	Cat. Inlet Temp (F)	Cat. Exit Temp (F)	Source VFH (ppmv) (PID)	Process VFH (ppmv) (PID)	Effluent VFH (ppmv) (PID)	Effluent VFH (ppmv) (Lab)	Destruction Efficiency (%)	Comments
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/07/04 08:30	14834	12689	67%	90	800	837	91			6		
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/14/04 11:00	14799	12854	97%	90	800	829	89			15	4	<2.4
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	12/21/04 09:15	14970	13025	103%	90	800	811	91			6		100%
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/03/05 10:00	14971	13026	0%	90	800	825	93			93	8	
VW-1S, VW-1D, VW-2S, VW-2D, VW-3S, VW-3D, MW-1, MW-7, MW-9	01/12/05 05:00	15162	13217	89%	90	800	821	98			100	44	0
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	01/17/05 05:30	15302	13357	100%	95	800	813	98			103	2	
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	01/25/05 10:00	15569	13624	100%	90	800	808	85			2		
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/02/05 05:00	15687	13742	95%	90	800	790	30			28	21	ND
VW-1S, VW-1D, VW-2S, VW-2D, MW-1, MW-7, MW-9	02/17/05 06:00	15687	13742	0%	90						65		62
													5%

NOTES:

< = Values are below minimum detection limit (MDL) for the laboratory instrument

<= Analytical results below MDL are used as 1/2 MDL for computing destruction efficiency

~ = Approximately equal to
cfm = cubic feet per minute

NM = Not Measured

NS = Sample not collected

ppmv = Vapor concentration in parts per million by volume

> = The FID flame went out after the value presented

VFH = Total volatile fuel hydrocarbons as gasoline measured by portable photo-ionization detector (PID) or laboratory analysis (Lab)



Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4657 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project: CVX 9-1834

Sampled: 01/12/05
Received: 01/13/05
Issued: 01/24/05 17:10

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOA0676-01	Process-A-050112	Air
IOA0676-02	Effluent-A-050112	Air

Reviewed By:

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager



Del Mar Analytical

17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR-San Diego/ChevronTexaco
 2655 Camino del Rio North, Suite 302
 San Diego, CA 92108
 Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOA0676

Sampled: 01/12/05
 Received: 01/13/05

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
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Sample ID: IOA0676-01 (Process-A-050112 - Air)

Reporting Units: ppmv

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5A14048	2.4	44	1	1/14/2005	1/14/2005
Benzene	EPA 8015M/8021M	5A14048	1.6	ND	1	1/14/2005	1/14/2005
Toluene	EPA 8015M/8021M	5A14048	1.3	ND	1	1/14/2005	1/14/2005
Ethylbenzene	EPA 8015M/8021M	5A14048	1.2	ND	1	1/14/2005	1/14/2005
Xylenes, Total	EPA 8015M/8021M	5A14048	3.5	ND	1	1/14/2005	1/14/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5A14048	1.4	ND	1	1/14/2005	1/14/2005

Sample ID: IOA0676-02 (Effluent-A-050112 - Air)

Reporting Units: ppmv

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5A14048	2.4	5.3	1	1/14/2005	1/14/2005
Benzene	EPA 8015M/8021M	5A14048	1.6	ND	1	1/14/2005	1/14/2005
Toluene	EPA 8015M/8021M	5A14048	1.3	ND	1	1/14/2005	1/14/2005
Ethylbenzene	EPA 8015M/8021M	5A14048	1.2	ND	1	1/14/2005	1/14/2005
Xylenes, Total	EPA 8015M/8021M	5A14048	3.5	ND	1	1/14/2005	1/14/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5A14048	1.4	ND	1	1/14/2005	1/14/2005

Del Mar Analytical, Irvine
 Lisa Reightley For Kathleen A. Robb
 Project Manager

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17461 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOA0676

Sampled: 01/12/05
Received: 01/13/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Process-A-050112 (IOA0676-01) - Air EPA 8015M/8021M	3	01/12/2005 10:15	01/13/2005 12:10	01/14/2005 10:37	01/14/2005 10:37
Sample ID: Effluent-A-050112 (IOA0676-02) - Air EPA 8015M/8021M	3	01/12/2005 10:00	01/13/2005 12:10	01/14/2005 10:54	01/14/2005 10:54

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

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 1014 E. Ceoley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR-San Diego/ChevronTexaco
 2655 Camino del Rio North, Suite 302
 San Diego, CA 92108
 Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOA0676

Sampled: 01/12/05

Received: 01/13/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 5A14048 Extracted: 01/14/05

Blank Analyzed: 01/14/2005 (5A14048-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	2.4	ppmv
Benzene	ND	1.6	ppmv
Toluene	ND	1.3	ppmv
Ethylbenzene	ND	1.2	ppmv
Xylenes, Total	ND	3.5	ppmv
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv

LCS Analyzed: 01/14/2005 (5A14048-BS1)

Benzene	15.8	1.6	ppmv	16.5	96	85-115
Toluene	13.8	1.3	ppmv	14.0	99	85-115
Ethylbenzene	12.4	1.2	ppmv	12.2	102	70-125
Xylenes, Total	40.9	3.5	ppmv	36.6	112	85-120
Methyl-tert-butyl Ether (MTBE)	12.7	1.4	ppmv	14.9	85	75-125

LCS Analyzed: 01/14/2005 (5A14048-BS2)

Volatile Fuel Hydrocarbons (C6-C12)	77.3	2.4	ppmv	70.0	110	80-120
-------------------------------------	------	-----	------	------	-----	--------

Duplicate Analyzed: 01/14/2005 (5A14048-DUP1)

					Source: IOA0683-02		
Volatile Fuel Hydrocarbons (C6-C12)	5.21	2.4	ppmv	4.6		12	20
Benzene	ND	1.6	ppmv	ND			20
Toluene	ND	1.3	ppmv	ND			20
Ethylbenzene	ND	1.2	ppmv	ND			20
Xylenes, Total	ND	3.5	ppmv	ND			20
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv	ND			20

Del Mar Analytical, Irvine
 Lisa Reightley For Kathleen A. Robb
 Project Manager

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IOA0676 <Page 4 of 6>



Del Mar Analytical

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOA0676

Sampled: 01/12/05
Received: 01/13/05

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

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IOA0676 <Page 5 of 6>



Del Mar Analytical

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOA0676

17401 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 01/12/05
Received: 01/13/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015M/8021M	Air	N/A	N/A

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Lisa Reightley For Kathleen A. Robb
Project Manager

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IOA0676 <Page 6 of 6>

CHAIN OF CUSTODY FORM

20140 of 600

ANALYSES REQUIRED								Turnaround Time:	
								24 Hours	Standard
								48 hours	Other
								Sample Integrity: (Check by lab on arrival)	
								On Ice:	Temp. PT
								Intact:	
Chevron Environmental Management Company ■ 1433, State College Boulevard ■ Area, CA 92222-2232		Chevron Consultant: SECOR International, Inc.						Special Instructions	
Chevron Site Global ID:	10607302116	Address: 2855 Camino Del Rio N., Ste. 302, San Diego, CA 92108						Temp. Blank Check Time	
Chevron Site Number:	9-1234	Consultant Contact: <u>V. Nelson</u>						Temp.	
Chevron Site Address:	4715 Voltaire	Consultant Phone No. (419) 296-6995						<input type="checkbox"/>	
Chevron PM:	E. Rattie	Consultant Project No. 084451834.05.0330						<input type="checkbox"/>	
Chevron PM Phone No.:	(714) 671-3243	Sampling Company: <u>SECOR</u>						<input type="checkbox"/>	
Sample By (Print):	<u>V. Nelson</u>	Sampled By (Print): <u>V. Nelson</u>						<input type="checkbox"/>	
Sampler Signature:	<u>V. Nelson</u>	Sampler Signature: <u>V. Nelson</u>						<input type="checkbox"/>	
Del Mar Analytical	Lancaster Laboratories	EDF Required?						<input checked="" type="checkbox"/> Yes	
<input type="checkbox"/> Irvine, CA	<input type="checkbox"/> Lancaster, PA	<input type="checkbox"/> Yes							
<input type="checkbox"/> Colton, CA	<input type="checkbox"/> Lab Contact: Teresa Cunningham	<input type="checkbox"/> No							
<input type="checkbox"/> Lab Contact: _____	Phone No.: (949) 261-1022	<input type="checkbox"/>							
Phone No.: (909) 370-4667	<input type="checkbox"/> (717) 656-2300	<input type="checkbox"/>							
Preservation								<input type="checkbox"/>	
SAMPLE ID	Field Point Name	Matrix	Top Depth	Date (yyymmdd)	Sample Time	Container Type	# of Containers	<input type="checkbox"/>	
Process	Air	—	—	050112	10:15	Teflon	1	<input checked="" type="checkbox"/> Coolant	
Exhaust	Air	—	—	050112	10:00	Teflon	1	<input checked="" type="checkbox"/> Coolant	
Relinquished To Company Date/Time:								Relinquished To Company Date/Time:	
Relinquished By Company Date/Time:								Relinquished To Company Date/Time:	
Relinquished By Company Date/Time:								Relinquished To Company Date/Time:	
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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project: CVX 9-1834

Sampled: 02/02/05
Received: 02/03/05
Issued: 02/14/05 10:38

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB0308-01	VE-PRO-A-050202	Air
IOB0308-02	VE-EFF-A-050202	Air

Reviewed By:

A handwritten signature in black ink, appearing to read "Wendy Kirkeeng".

Del Mar Analytical, Irvine
Wendy Kirkeeng For Kathleen A. Robb
Project Manager



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17461 Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
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SECOR-San Diego/ChevronTexaco
 2655 Camino del Rio North, Suite 302
 San Diego, CA 92108
 Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOB0308

Sampled: 02/02/05
 Received: 02/03/05

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
---------	--------	-------	-----------------	---------------	-----------------	----------------	---------------	-----------------

Sample ID: IOB0308-01 (VE-PRO-A-050202 - Air)

Reporting Units: ppmv

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5B04061	2.4	21	1	2/4/2005	2/4/2005
Benzene	EPA 8015M/8021M	5B04061	1.6	ND	1	2/4/2005	2/4/2005
Toluene	EPA 8015M/8021M	5B04061	1.3	ND	1	2/4/2005	2/4/2005
Ethylbenzene	EPA 8015M/8021M	5B04061	1.2	ND	1	2/4/2005	2/4/2005
Xylenes, Total	EPA 8015M/8021M	5B04061	3.5	ND	1	2/4/2005	2/4/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5B04061	1.4	ND	1	2/4/2005	2/4/2005

Sample ID: IOB0308-02 (VE-EFF-A-050202 - Air)

Reporting Units: ppmv

Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5B04061	2.4	8.5	1	2/4/2005	2/4/2005
Benzene	EPA 8015M/8021M	5B04061	1.6	ND	1	2/4/2005	2/4/2005
Toluene	EPA 8015M/8021M	5B04061	1.3	ND	1	2/4/2005	2/4/2005
Ethylbenzene	EPA 8015M/8021M	5B04061	1.2	ND	1	2/4/2005	2/4/2005
Xylenes, Total	EPA 8015M/8021M	5B04061	3.5	ND	1	2/4/2005	2/4/2005
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5B04061	1.4	ND	1	2/4/2005	2/4/2005

Del Mar Analytical, Irvine
 Wendy Kirkeeng For Kathleen A. Robb
 Project Manager

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IOB0308 <Page 2 of 6>



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9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOB0308

Sampled: 02/02/05
Received: 02/03/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: VE-PRO-A-050202 (IOB0308-01) - Air EPA 8015M/8021M	3	02/02/2005 10:15	02/03/2005 16:50	02/04/2005 13:49	02/04/2005 13:49
Sample ID: VE-EFF-A-050202 (IOB0308-02) - Air EPA 8015M/8021M	3	02/02/2005 10:20	02/03/2005 16:50	02/04/2005 14:03	02/04/2005 14:03

Del Mar Analytical, Irvine

Wendy Kirkeeng For Kathleen A. Robb
Project Manager

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IOB0308 <Page 3 of 6>



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San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834

Report Number: IOB0308

Sampled: 02/02/05
Received: 02/03/05

17461 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: SB04061 Extracted: 02/04/05

Blank Analyzed: 02/04/2005 (SB04061-BLK1)

Volatile Fuel Hydrocarbons (C6-C12)	ND	2.4	ppmv
Benzene	ND	1.6	ppmv
Toluene	ND	1.3	ppmv
Ethylbenzene	ND	1.2	ppmv
Xylenes, Total	ND	3.5	ppmv
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv

LCS Analyzed: 02/04/2005 (SB04061-BS1)

Benzene	14.6	1.6	ppmv	16.5	88	85-115
Toluene	14.2	1.3	ppmv	14.0	101	85-115
Ethylbenzene	11.7	1.2	ppmv	12.2	96	70-125
Xylenes, Total	38.0	3.5	ppmv	36.6	104	85-120
Methyl-tert-butyl Ether (MTBE)	12.8	1.4	ppmv	14.9	86	75-125

LCS Analyzed: 02/05/2005 (SB04061-BS2)

Volatile Fuel Hydrocarbons (C6-C12)	59.2	2.4	ppmv	70.0	85	80-120
-------------------------------------	------	-----	------	------	----	--------

Duplicate Analyzed: 02/04/2005 (SB04061-DUP1)

Volatile Fuel Hydrocarbons (C6-C12)	585	2.4	ppmv	630	7	20
Benzene	14.4	1.6	ppmv	14	3	20
Toluene	33.7	1.3	ppmv	35	4	20
Ethylbenzene	4.05	1.2	ppmv	4.4	8	20
Xylenes, Total	40.2	3.5	ppmv	41	2	20
Methyl-tert-butyl Ether (MTBE)	3.10	1.4	ppmv	3.0	3	20

Source: IOB0281-01

Del Mar Analytical, Irvine

Wendy Kirkeeng For Kathleen A. Robb
Project Manager

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1014 E. Cooley Dr., Suite A, Collon, CA 92324 (909) 370-4667 FAX (949) 370-1045
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-6596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kelsi Nelson

Project ID: CVX 9-1834
Report Number: IOB0308

Sampled: 02/02/05
Received: 02/03/05

DATA QUALIFIERS AND DEFINITIONS

- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

ADDITIONAL COMMENTS

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

Del Mar Analytical, Irvine
Wendy Kirkeeng For Kathleen A. Robb
Project Manager

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San Diego, CA 92108
Attention: Kelsi Nelson

17461 Diefian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8598 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0651
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Project ID: CVX 9-1834

Report Number: IOB0308

Sampled: 02/02/05
Received: 02/03/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015M/8021M	Air	N/A	N/A

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Wendy Kirkeeng For Kathleen A. Robb
Project Manager

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CHAIN OF CUSTODY FORM

CONCERN OF 20141

CHAIN OF CUSTODY FORM
#145 S State College Boulevard ■ Brea CA 92822-2292

Chevron Site Global ID:	111-111-111
Chevron Site Number:	111-111-111
Chevron Site Address:	111-111-111
Chevron PM:	111-111-111

Chevron Service Order No: _____

NOTE: THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

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LABORATORY REPORT

Prepared For: SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108

Attention: Sharon Zuniga

Project: CVX 9-1834

Sampled: 02/17/05

Received: 02/17/05

Issued: 02/18/05 15:03

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOB1420-01	VE-PROC-A-050217	Air
IOB1420-02	VE-EFF-A-050217	Air

Reviewed By:

Del Mar Analytical, Irvine
Pat Abe For Kathleen A. Robb
Project Manager



Del Mar Analytical

17461 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1040
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SECOR-San Diego/ChevronTexaco
 2655 Camino del Rio North, Suite 302
 San Diego, CA 92108
 Attention: Sharon Zuniga

Project ID: CVX 9-1834

Report Number: IOB1420

Sampled: 02/17/05
 Received: 02/17/05

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOB1420-01 (VE-PROC-A-050217 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5B18048	2.4	65	1	2/18/2005	2/18/2005	
Benzene	EPA 8015M/8021M	5B18048	1.6	ND	1	2/18/2005	2/18/2005	
Toluene	EPA 8015M/8021M	5B18048	1.3	ND	1	2/18/2005	2/18/2005	
Ethylbenzene	EPA 8015M/8021M	5B18048	1.2	ND	1	2/18/2005	2/18/2005	
Xylenes, Total	EPA 8015M/8021M	5B18048	3.5	ND	1	2/18/2005	2/18/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5B18048	1.4	ND	1	2/18/2005	2/18/2005	
Sample ID: IOB1420-02 (VE-EFF-A-050217 - Air)								
Reporting Units: ppmv								
Volatile Fuel Hydrocarbons (C6-C12)	EPA 8015M/8021M	5B18048	2.4	62	1	2/18/2005	2/18/2005	
Benzene	EPA 8015M/8021M	5B18048	1.6	ND	1	2/18/2005	2/18/2005	
Toluene	EPA 8015M/8021M	5B18048	1.3	ND	1	2/18/2005	2/18/2005	
Ethylbenzene	EPA 8015M/8021M	5B18048	1.2	ND	1	2/18/2005	2/18/2005	
Xylenes, Total	EPA 8015M/8021M	5B18048	3.5	ND	1	2/18/2005	2/18/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8015M/8021M	5B18048	1.4	ND	1	2/18/2005	2/18/2005	

Del Mar Analytical, Irvine
 Pat Abe For Kathleen A. Robb
 Project Manager

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IOB1420 <Page 2 of 6>



Del Mar Analytical

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Sharon Zuniga

Project ID: CVX 9-1834

Report Number: IOB1420

17461 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-104G
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunsel Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 02/17/05

Received: 02/17/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: VE-PROC-A-050217 (IOB1420-01) - Air EPA 8015M/8021M	3	02/17/2005 06:00	02/17/2005 18:35	02/18/2005 10:11	02/18/2005 10:11
Sample ID: VE-EFF-A-050217 (IOB1420-02) - Air EPA 8015M/8021M	3	02/17/2005 06:10	02/17/2005 18:35	02/18/2005 10:27	02/18/2005 10:27

Del Mar Analytical, Irvine
Pat Abe For Kathleen A. Robb
Project Manager

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Del Mar Analytical

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Sharon Zuniga

Project ID: CVX 9-1834

Report Number: IOB1420

17401 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89128 (702) 798-3620 FAX (702) 798-3621

Sampled: 02/17/05
Received: 02/17/05

METHOD/BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS/BTEX/MTBE in Air (EPA 8015/8021B MOD.)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: SB18048 Extracted: 02/18/05</u>									
Blank Analyzed: 02/18/2005 (SB18048-BLK1)									
Volatile Fuel Hydrocarbons (C6-C12)									
Benzene	ND	2.4	ppmv						
Toluene	ND	1.6	ppmv						
Ethylbenzene	ND	1.3	ppmv						
Xylenes, Total	ND	1.2	ppmv						
Methyl-tert-butyl Ether (MTBE)	ND	3.5	ppmv						
		1.4	ppmv						
LCS Analyzed: 02/18/2005 (SB18048-BS1)									
Benzene	14.8	1.6	ppmv	16.5	90	85-115			
Toluene	13.3	1.3	ppmv	14.0	95	85-115			
Ethylbenzene	10.8	1.2	ppmv	12.2	89	70-125			
Xylenes, Total	33.9	3.5	ppmv	36.6	93	85-120			
Methyl-tert-butyl Ether (MTBE)	12.7	1.4	ppmv	14.9	85	75-125			
LCS Analyzed: 02/18/2005 (SB18048-BS2)									
Volatile Fuel Hydrocarbons (C6-C12)	76.4	2.4	ppmv	70.0	109	80-120			
Duplicate Analyzed: 02/18/2005 (SB18048-DUP1)									
Source: IOB1357-01									
Volatile Fuel Hydrocarbons (C6-C12)	14.7	2.4	ppmv	17		15	20		
Benzene	ND	1.6	ppmv	ND			20		
Toluene	ND	1.3	ppmv	ND			20		
Ethylbenzene	0.611	1.2	ppmv	ND			20		
Xylenes, Total	ND	3.5	ppmv	ND			20		
Methyl-tert-butyl Ether (MTBE)	ND	1.4	ppmv	ND			20		

Del Mar Analytical, Irvine
Pat Abe For Kathleen A. Robb
Project Manager

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Del Mar Analytical

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Report Number: IOB1420

17401 Dorian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 02/17/05

Received: 02/17/05

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m³ to ppm by volume (ppmv).

For Volatile Fuel Hydrocarbons (C6-C12):

Volatile Fuel Hydrocarbons (C6-C12) are quantitated against a gasoline standard.

Del Mar Analytical, Irvine
Pat Abe For Kathleen A. Robb
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Sampled: 02/17/05
Received: 02/17/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8015M/8021M	Air	N/A	N/A

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Pat Abe for Kathleen A. Robb
Project Manager

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CHAIN OF CUSTODY FORM

TDB1420 COC of 20142

Chevron Environmental Management Company

Chevron Site Global ID: <u>1000730246</u>		Chevron Consultant: SECOR International, Inc.		ANALYSES REQUIRED										
Chevron Site Number: <u>9-1834</u>	Chevron Site Address: <u>4175 Voltaire</u>	Address: 2655 Camino Del Rio N., Ste. 302, San Diego, CA 92108	Consultant Contact: <u>K. Nelson</u>	<input type="checkbox"/> <u>Clean Acid/Neutral Box</u>	<input type="checkbox"/> <u>PLEASE check</u>	<input type="checkbox"/> <u>Temp. Blank Check</u>	<input type="checkbox"/> <u>Time Temp.</u>	Special Instructions						
Chevron PM: <u>E. KAHL</u>	Chevron PM Phone No.: <u>(714) 671-3213</u>	Consultant Phone No. <u>(619) 296-6195</u>	Consultant Project No. <u>CERCH 5534.05.0130</u>	<input type="checkbox"/> <u>EPA 418.1 TRPH</u>	<input type="checkbox"/> <u>EPA 413.1 OIL/GREASES</u>	<input type="checkbox"/> <u>EPA 150.1 PH</u>	<input type="checkbox"/> <u>EPA 310.1 ALKALINITY</u>							
Chevron Service Order No.: _____	Chevron Line Item: _____	Sampling Company: <u>SECOR</u>	Sampled By (Print): <u>K. Nelson</u>	<input type="checkbox"/> <u>EPA 6010 CA, Fe, K, Mg, Mn, Na</u>	<input type="checkbox"/> <u>EPA 6010/7000 TRMEL 22 METALS</u>	<input type="checkbox"/> <u>EPA 148.1 SPECIFIC CONDUCTIVITY</u>	<input type="checkbox"/> <u>EPA 2510B</u>							
SAMPLE ID		Del Mar Analytical	Lancaster Laboratories	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	EDF Required?	Notes/Comments							
Field Point Name	Matrix	Top Depth	Date (mmdd)	Sample Time	Container Type	# of Containers	Preservation							
VE - PROC	AIR	-	050217	6:00	TEFLON	1	-							
VE - EFF	AIR	-	050217	6:10	TEFLON	1	-							
Relinquished By Company		Date/Time:		Relinquished To Company		Date/Time:		Turnaround Time:						
<u>Samplee</u>		<u>2/17/05 1545</u>		<u>John Nelson</u>		<u>2-22-05 1545</u>		<u>24 Hours</u>						
Relinquished By Company		Date/Time:		Relinquished To Company		Date/Time:		48 hours						
<u>John Nelson</u>		<u>2/17/05 1835</u>		<u>John D. Mott</u>		<u>2/17/05 1835</u>		<u>Other</u>						
Relinquished By Company		Date/Time:		Relinquished To Company		Date/Time:		Intact:						
								<u>On Ice:</u>						
Sample Integrity: (Check by lab on arrival) <u>OK</u>														

CHAIN OF CUSTODY FORM

COC of 20142

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292
CHAIN OF CUSTODY FCRW

Chevron Site Global ID: 7CC-73C21k
Chevron Site Number: T-14 34
Chevron Site Address: 4175 VICTORY
Site Dir/C - SA
Chevron PM: E. KAHILL
Chevron PM Phone No.: (714) 571-3241

Chevron Consultant: SECOR International, Inc.
Address: 2855 Camino Del Rio N., Ste. 302, San Diego, CA 92108
Consultant Contact: K. Neuman
Consultant Phone No. (619) 271-4115
Consultant Project No. C-CA-G1434-C.S.113C
Sampling Company: Slick
Sampled By (Print): K. Neuman

Chevron Service Order No: _____
Chevron Line Item: _____

Charge Code: NWRTB-02115240111

Construction/Retail Job or
 Retail and Terminal Business Unit (RTBU) Job

NOTE: THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETED IN
BLACK INK.

CANDIDATE ID

בְּרִיתֵנוּ בְּרִיתָנוּ בְּרִיתָנוּ

APPENDIX B

OPERATION AND MAINTENANCE LOGS

SECOR
WEEKLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

Personnel:

APCD Permit Expiration Date:

MON 1/3/05 10:00

R1
December 1, 2004 - 2005

SVE PARAMETERS

	Arrival	Departure	APCD Permit	Well No.	Arrival	Departure
Operating Status	<u>OFF</u>	<u>ON</u>		VW-1 S	Open	Closed
Alarm Status	<u>-</u>			VW-1 D	Open	Closed
Electric Meter Reading (kWh)	<u>62190</u>			VW-2 S	Open	Closed
Vacuum Pressure ("wc)	<u>65</u>	<u>65</u>		VW-2 D	Open	Closed
Process Flow (cfm)	<u>90</u>	<u>90</u>	<u>< 100</u>	VW-3 S	Open	Closed
Inlet Temp (°F)	<u>800</u>	<u>800</u>	<u>> 600</u>	VW-3 D	Open	Closed
Center Temp (°F)	<u>843</u>	<u>846</u>		MW-1	Open	Closed
Exhaust Temp (°F)	<u>826</u>	<u>825</u>		MW-7	Open	Closed
Hour Meter (hr)	<u>14971</u>			MW-9	Open	Closed
KO Pot Level	<u>EMPTY</u>	<u>EMPTY</u>				
Compound Clean	<u>✓</u>	<u>✓</u>				
Signs In Good Condition	<u>✓</u>	<u>✓</u>				
Fence In Good Condition	<u>✓</u>	<u>✓</u>				
Chart Recorder Paper Changed			<u>Yes / No</u>			
Vapor Samples Collected			<u>Yes / No</u>			
Optimization Test Performed			<u>Yes / No</u>			

SVE SAMPLES

Instrument Type & Number	Arrival	Departure	Sample Taken	Time
Calibration Date	<u>FID</u>	<u>1/3/05</u>		
Calibrated By				
Calibration Gas & Concentration	<u>R1</u>	<u>METHANE 950 ppm</u>		
Influent Conc. (ppm)		<u>93</u>	<u>Yes / No</u>	<u>X</u>
Dilute Influent Conc. (ppm)		<u>93</u>	<u>Yes / No</u>	<u>X</u>
Effluent Conc. (ppm)		<u>8</u>	<u>Yes / No</u>	<u>X</u>
APCD Permit Max Effluent VOC Concentration = 286 ppm (as methane) (at T>600)				
* Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B				

Notes: TURNED UNIT ON (OFF FOR THE HOLIDAYS) TOOK PARAMETERS, PICKED UP BOTTLES/CANS/TRASH

SECOR
WEEKLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

Personnel:

APCD Permit Expiration Date:

1/12/05 WED 9:00
RJ
December 1, 2004 - 2005

SVE PARAMETERS

	Arrival	Departure	APCD Permit	Well No.	Arrival	Departure
Operating Status	<u>ON</u>	<u>ON</u>		VW-1 S	Open	/ Closed
Alarm Status				VW-1 D	Open	/ Closed
Electric Meter Reading (kWh)	<u>65109</u>			VW-2 S	Open	/ Closed
Vacuum Pressure ("wc)	<u>62</u>	<u>62</u>		VW-2 D	Open	/ Closed
Process Flow (cfm)	<u>90</u>	<u>90</u>	<u>< 100</u>	VW-3 S	Open	/ Closed
Inlet Temp (°F)	<u>800</u>	<u>850</u>	<u>> 600</u>	VW-3 D	Open	/ Closed
Center Temp (°F)	<u>840</u>	<u>840</u>		MW-1	Open	/ Closed
Exhaust Temp (°F)	<u>819</u>	<u>821</u>		MW-7	Open	/ Closed
Hour Meter (hr)	<u>15162</u>			MW-9	Open	/ Closed
KO Pot Level	<u>1/2</u>	<u>1/2</u>				
Compound Clean	<u>OK</u>	<u>OK</u>				
Signs In Good Condition	<u>OK</u>	<u>OK</u>				
Fence In Good Condition	<u>OK</u>	<u>OK</u>				
Chart Recorder Paper Changed			<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			
Vapor Samples Collected			<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			
Optimization Test Performed			<input type="checkbox"/> Yes / <input checked="" type="checkbox"/> No			

SVE SAMPLES

Instrument Type & Number	Arrival	Departure	Sample Taken	Time
Calibration Date	<u>1/10</u>			
Calibrated By	<u>RJ</u>			
Calibration Gas & Concentration			<u>METHANE 950 ppm</u>	
Influent Conc. (ppm)	<u>98</u>	<u>98</u>	<input type="checkbox"/> Yes / <input type="checkbox"/> No	
Dilute Influent Conc. (ppm)	<u>99</u>	<u>100</u>	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	<u>10:15</u>
Effluent Conc. (ppm)	<u>0</u>	<u>0</u>	<input type="checkbox"/> Yes / <input type="checkbox"/> No	<u>10:00</u>
APCD Permit Max Effluent VOC Concentration = 286 ppm (as methane) (at T>600)				
* Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B				

Notes: Took Monthly Samples

SECOR
MONTHLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

1/17/05 - MON - 8:30

Personnel:

RJ

APCD Permit Expiration Date:

12/1/05

SVE PARAMETERS			
Operating Status	Arrival <u>ON</u>	Departure <u>ON</u>	• DRAINED KO POT
Alarm Status	~		• PICKED UP TRASH
Electric Meter Reading (kWh)	<u>66678</u>		• VOL READS FROM ALL WELLS
Vacuum Pressure ("wc)	<u>61</u>	<u>61</u>	
Process Flow (cfm)	<u>95</u>	<u>95</u>	
Inlet Temp (dF)	<u>800</u>	<u>800</u>	
Center Temp (dF)	<u>829</u>	<u>832</u>	
Exhaust Temp (dF)	<u>813</u>	<u>811</u>	
Hour Meter (hr)	<u>15302</u>		

SVE SAMPLES PARAMETERS					
Instrument Type & Number	<u>FID</u>				
Calibration Date	<u>4/1</u>				
Calibrated By	<u>RJ</u>				
Calibration Gas & Concentration	<u>METHANE 90 ppm</u>				
Arrival	Departure	Sample Taken	Time		
Influent Conc. (ppm)	<u>98</u>	Yes / <input checked="" type="checkbox"/> No	X		
Dilute Influent Conc. (ppm)	<u>103</u>	Yes / <input checked="" type="checkbox"/> No	X		
Effluent Conc. (ppm)	<u>2</u>	Yes / <input checked="" type="checkbox"/> No	X		

* Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B

Extraction Well	Arrival (Open/Closed)	Sampling (Open/Closed)	Departure (Open/Closed)	Concentration (ppmv)	Samples Taken (Yes/No)	Time
VW-1 S	Open / Closed	Open / Closed	Open / Closed	<u>225</u>	Yes / <input checked="" type="checkbox"/> No	X
VW-1 D	Open / Closed	Open / Closed	Open / Closed	<u>244</u>	Yes / <input checked="" type="checkbox"/> No	
VW-2 S	Open / Closed	Open / Closed	Open / Closed	<u>235</u>	Yes / <input checked="" type="checkbox"/> No	
VW-2 D	Open / Closed	Open / Closed	Open / Closed	<u>240</u>	Yes / <input checked="" type="checkbox"/> No	
VW-3 S	Open / Closed	Open / Closed	Open / Closed	<u>ND</u>	Yes / <input checked="" type="checkbox"/> No	
VW-3 D	Open / Closed	Open / Closed	Open / Closed	<u>ND</u>	Yes / <input checked="" type="checkbox"/> No	
MW-1	Open / Closed	Open / Closed	Open / Closed	<u>200</u>	Yes / <input checked="" type="checkbox"/> No	
MW-7	Open / Closed	Open / Closed	Open / Closed	<u>269</u>	Yes / <input checked="" type="checkbox"/> No	
MW-9	Open / Closed	Open / Closed	Open / Closed	<u>ND</u>	Yes / <input checked="" type="checkbox"/> No	

Notes:

SECOR
WEEKLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

1/28/05 10:00 AM

Personnel:

21

APCD Permit Expiration Date:

December 1, 2005

SVE PARAMETERS

	<u>Arrival</u>	<u>Departure</u>	<u>APCD Permit</u>	<u>Well No.</u>	<u>Arrival</u>	<u>Departure</u>
Operating Status	<u>ON</u>	<u>ON</u>		VW-1 S	Open	Closed
Alarm Status	<u>-</u>			VW-1 D	Open	Closed
Electric Meter Reading (kWh)	<u>70229</u>			VW-2 S	Open	Closed
Vacuum Pressure ("wc)	<u>58</u>	<u>57</u>		VW-2 D	Open	Closed
Process Flow (cfm)	<u>90</u>	<u>90</u>	<u>< 100</u>	VW-3 S	Open	Closed
Inlet Temp (°F)	<u>800</u>	<u>800</u>	<u>> 600</u>	VW-3 D	Open	Closed
Center Temp (°F)	<u>800</u>	<u>810</u>		MW-1	Open	Closed
Exhaust Temp (°F)	<u>785</u>	<u>785</u>		MW-7	Open	Closed
Hour Meter (hr)	<u>15569</u>			MW-9	Open	Closed
KO Pot Level	<u>1/4</u>	<u>1/4</u>				
Compound Clean	<u>good</u>	<u>good</u>				
Signs In Good Condition	<u>-</u>	<u>-</u>				
Fence In Good Condition	<u>-</u>	<u>-</u>				
Chart Recorder Paper Changed			<u>Yes / No</u>			
Vapor Samples Collected			<u>Yes / No</u>			
Optimization Test Performed			<u>Yes / No</u>			

SVE SAMPLES

Instrument Type & Number	<u>FID#1</u>	<u>Arrival</u>	<u>Departure</u>	<u>Sample Taken</u>	<u>Time</u>
Calibration Date	<u>1/20/05</u>			<u>Yes / No</u>	<u>x</u>
Calibrated By	<u>RJ</u>			<u>Yes / No</u>	<u>x</u>
Calibration Gas & Concentration	<u>Methane 9.50 ppm</u>			<u>Yes / No</u>	<u>x</u>
Influent Conc. (ppm)	<u>85</u>			<u>Yes / No</u>	<u>x</u>
Dilute Influent Conc. (ppm)	<u>-</u>			<u>Yes / No</u>	
Effluent Conc. (ppm)	<u>2-3</u>		<u>2-3</u>	<u>Yes / No</u>	<u>x</u>

APCD Permit Max Effluent VOC Concentration = 286 ppm (as methane) (at T>600)
 * Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B.

Notes: OPENED MW-9 PER K. NELSON'S REQUEST.

* NEXT WEEK → TAKE SAMPLES, THEN SHUT UNIT OFF FOR 2 WEEKS (pulse.)

SECOR
WEEKLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

Personnel:

APCD Permit Expiration Date:

2/2/05 9:00 AM

RJ

December 1, 2004 - 2005

SVE PARAMETERS

	<u>Arrival</u>	<u>Departure</u>	<u>APCD Permit</u>	<u>Well No.</u>	<u>Arrival</u>	<u>Departure</u>
Operating Status	<u>ON</u>	<u>OFF</u>		VW-1 S	Open / Closed	Open / Closed
Alarm Status				VW-1 D	Open / Closed	Open / Closed
Electric Meter Reading (kWh)	<u>71280</u>			VW-2 S	Open / Closed	Open / Closed
Vacuum Pressure ("wc)	<u>60</u>	<u>60</u>		VW-2 D	Open / Closed	Open / Closed
Process Flow (cfm)	<u>90</u>	<u>90</u>	<u>< 100</u>	VW-3 S	Open / Closed	Open / Closed
Inlet Temp (°F)	<u>800</u>	<u>800</u>	<u>> 600</u>	VW-3 D	Open / Closed	Open / Closed
Center Temp (°F)	<u>812</u>	<u>812</u>		MW-1	Open / Closed	Open / Closed
Exhaust Temp (°F)	<u>790</u>	<u>790</u>		MW-7	Open / Closed	Open / Closed
Hour Meter (hr)	<u>15687</u>			MW-9	Open / Closed	Open / Closed
KO Pot Level	<u>1/2</u>	<u>1/2</u>				
Compound Clean	<u>✓</u>	<u>✓</u>				
Signs In Good Condition	<u>✓</u>	<u>✓</u>				
Fence In Good Condition	<u>✓</u>	<u>✓</u>				
Chart Recorder Paper Changed			<u>Yes / No</u>			
Vapor Samples Collected			<u>(Yes) / No</u>			
Optimization Test Performed			<u>Yes / No</u>			

SVE SAMPLES

	<u>Instrument Type & Number</u>	<u>Calibration Date</u>	<u>Calibrated By</u>	<u>Calibration Gas & Concentration</u>
	<u>FID #1</u>	<u>2/2/05</u>	<u>RJ</u>	<u>METH 90 ppm</u>
Influent Conc. (ppm)		<u>30</u>		
Dilute Influent Conc. (ppm)		<u>28</u>		
Effluent Conc. (ppm)		<u>ND</u>		
APCD Permit Max Effluent VOC Concentration = 286 ppm (as methane) (at T>600)				<u>10:15</u>
* Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B.				<u>10:40</u>

Notes: Took samples and checked MW-1 MW-9 wicks than shut off system. Will return in 2 weeks to take samples again.

SECOR
WEEKLY O&M LOG
Former Chevron 9-1834
4175 Voltaire Street San Diego, California

Date and Time:

2/11/05 6:00 AM

Personnel:

KJ

APCD Permit Expiration Date:

December 1, 2004 - 2005

SVE PARAMETERS

	Arrival	Departure	APCD Permit	Well No.	Arrival	Departure
Operating Status	<u>OFF</u>	<u>ON</u>	<u>OFF</u>	VW-1 S	Open	Closed
Alarm Status	<u>-</u>	<u>-</u>		VW-1 D	Open	Closed
Electric Meter Reading (kWh)	<u>71880</u>			VW-2 S	Open	Closed
Vacuum Pressure ("wc)	<u>60</u>	<u>60</u>		VW-2 D	Open	Closed
Process Flow (cfm)	<u>90</u>	<u>90</u>	<u>< 100</u>	VW-3 S	Open	Closed
Inlet Temp (°F)	<u>-</u>	<u>-</u>	<u>> 600</u>	VW-3 D	Open	Closed
Center Temp (°F)	<u>-</u>	<u>-</u>		MW-1	Open	Closed
Exhaust Temp (°F)	<u>-</u>	<u>-</u>		MW-7	Open	Closed
Hour Meter (hr)	<u>15687</u>			MW-9	Open	Closed
KO Pot Level	<u>1/2</u>	<u>1/2</u>				
Compound Clean	<u>✓</u>	<u>✓</u>				
Signs In Good Condition	<u>✓</u>	<u>✓</u>				
Fence In Good Condition	<u>✓</u>	<u>✓</u>				
Chart Recorder Paper Changed			<u>Yes / No</u>			
Vapor Samples Collected			<u>Yes / No</u>			
Optimization Test Performed			<u>Yes / No</u>			

SVE SAMPLES

Instrument Type & Number	Arrival	Departure	Sample Taken	Time
Calibration Date	<u>2/15</u>			
Calibrated By	<u>KJ</u>			
Calibration Gas & Concentration	<u>METHANE 90 ppm</u>			
Influent Conc. (ppm)			<u>Yes / No</u>	
Dilute Influent Conc. (ppm)			<u>Yes / No</u>	<u>6:15</u>
Effluent Conc. (ppm)			<u>Yes / No</u>	<u>6:20</u>
APCD Permit Max Effluent VOC Concentration = 286 ppm (as methane) (at T>600)				
* Analyze for TPHg by 8015M, and BTEX, MTBE, and other fuel oxygenates by Method 8021B.				

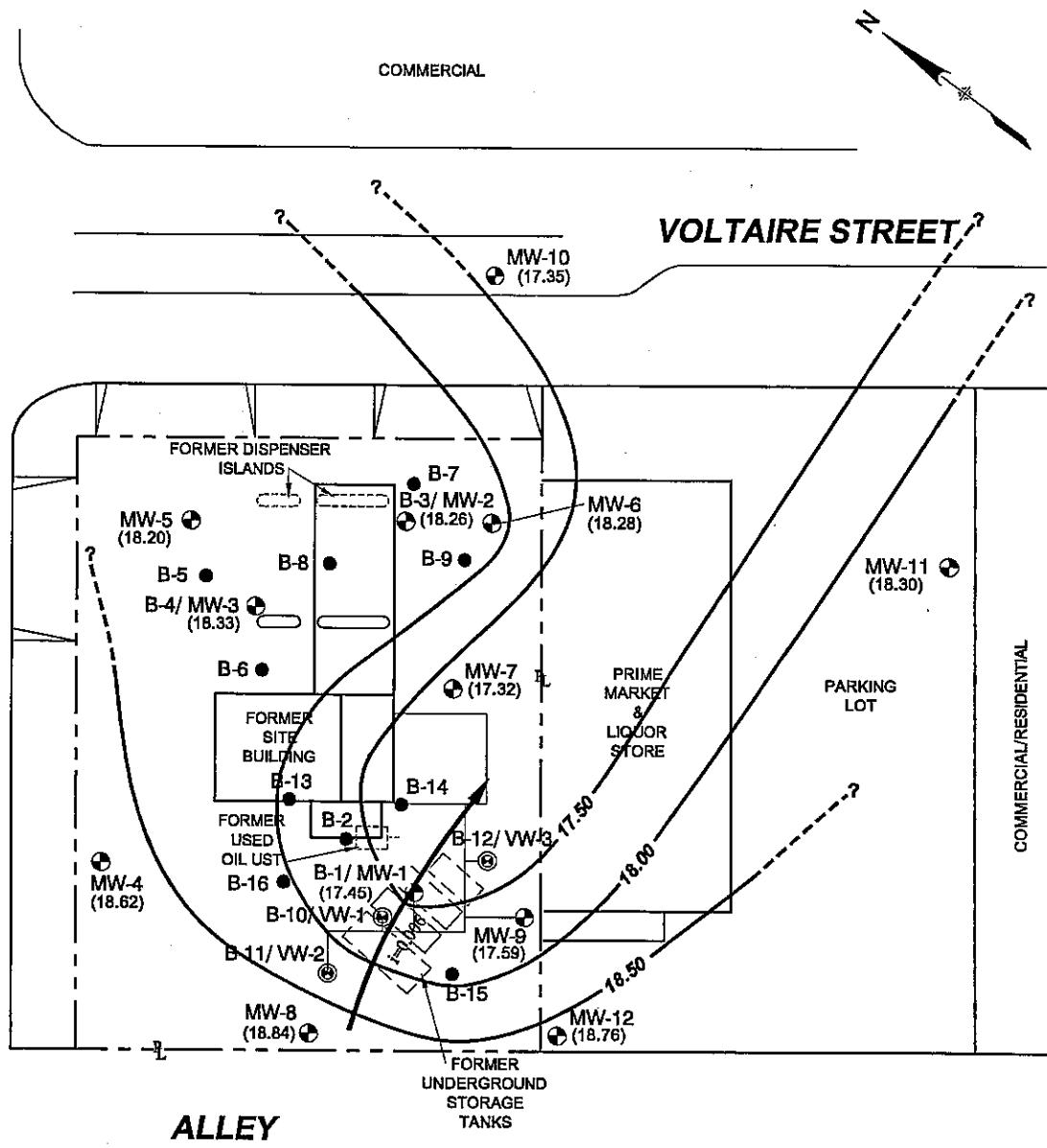
Notes: TOOK SAMPLES AFTER TURNING MACHINE ON FOR LESS THAN TWO MINUTES THEN SHOT MACHINE OFF PER K. NELSON REQUEST

APPENDIX C

EXCERPTS FROM FIRST QUARTER 2005 GROUNDWATER MONITORING REPORT

- Figure 2 – Groundwater Gradient Map, March 1, 2005
- Figure 3 – Hydrocarbon Constituents Map, March 1, 2005
- Table 1 – Summary of First Quarter 2005 Groundwater Levels and Chemical Analysis Results
- Table 3 -- Historic Groundwater Levels and Chemical Analysis Results

CATALINA BOULEVARD



LEGEND:

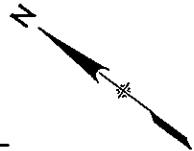
- MW-3 (●) MONITORING WELL LOCATION AND IDENTIFICATION.
- VE-1 (◎) NESTED VAPOR EXTRACTION WELL
- B-1 (●) SOIL BOREHOLE
- (18.26) GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
- ?— 18.00 — ESTIMATED GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL. DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN.
- i=0.006 APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

0 40 80
APPROXIMATE SCALE IN FEET

<p>SECOR 2655 CAMINO DEL RIO NORTH, SUITE 802 SAN DIEGO, CALIFORNIA PHONE: (619) 286-6185/296-6199 (FAX)</p>	FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA		GROUNDWATER GRADIENT MAP MARCH 1, 2005		FIGURE: 2
	JOB NUMBER: 08CH.41834.05	DRAWN BY: PO/ARA	CHECKED BY: KN	APPROVED BY:	DATE: 4/21/05

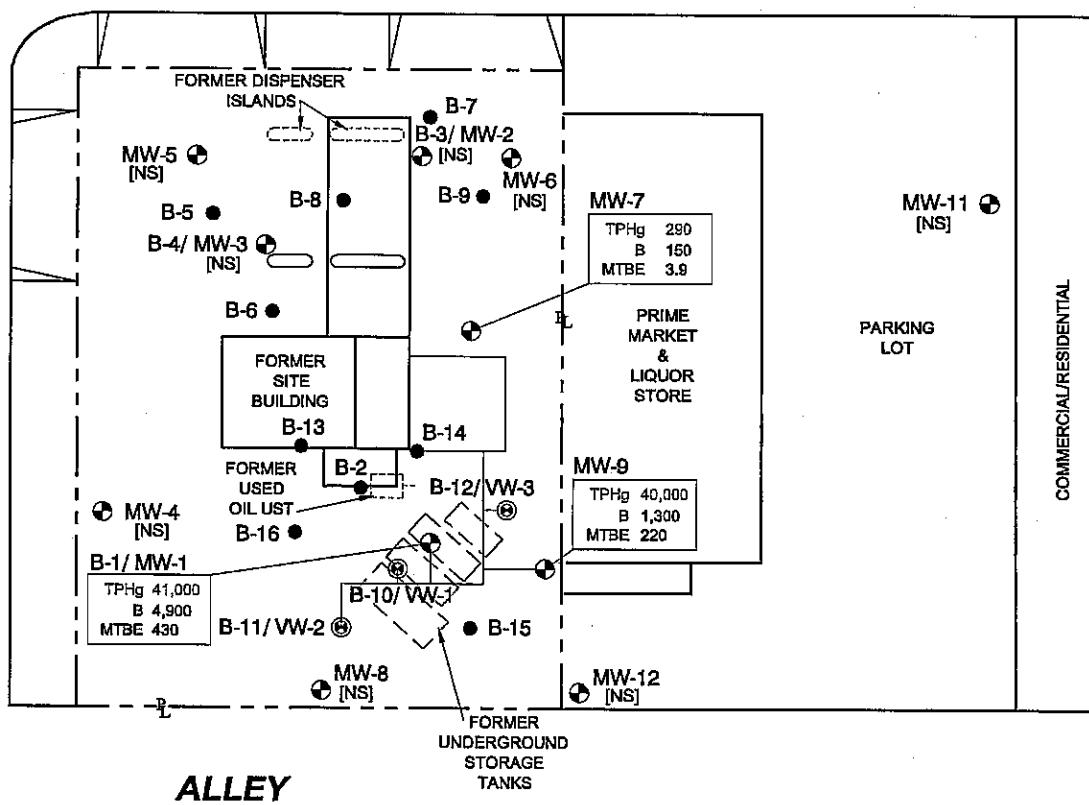
CATALINA BOULEVARD

COMMERCIAL



VOLTAIRE STREET

MW-10
[NS]



LEGEND:

MW-3 • MONITORING WELL LOCATION AND IDENTIFICATION.

VE-1 @ NESTED VAPOR EXTRACTION WELL

B-1 ● SOIL BOREHOLE

TPHg <100	TOTAL PETROLEUM HYDROCARBONS CHARACTERIZED AS GASOLINE (µg/L)
B <0.50	BENZENE (µg/L)
MTBE <1.0	METHYL-TERT-BUTYL ETHER (µg/L)

[NS] NOT SAMPLED

0 40 80
APPROXIMATE SCALE IN FEET



SECOR

2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/6199 (FAX)

FOR:

FORMER CHEVRON
STATION NO. 9-1834
4175 VOLTAIRE STREET
SAN DIEGO, CALIFORNIA

HYDROCARBON CONSTITUENTS
MARCH 1, 2005

FIGURE:

3

JOB NUMBER:
08CH.41834.05

DRAWN BY:

RO/ARA

CHECKED BY:

KN

APPROVED BY:

DATE:

4/21/05

Table 1
Summary of First Quarter 2005 Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well Number	Date	DTW (feet)	Groundwater Elevation** (feet)*	LPH			Ethylenes			MTBE			ETBE			TAME		
				Thickness (feet)	Sheen	TPH-g	Benzene	Toluene	benzene	Xylenes	µg/L (ppb)	<2500						
MW-1	3/1/2005	52.14	17.45	—	—	41000	4900	5900	1600	7600	430	<500	<500	<500	<500	<500	<2500	
MW-2	3/1/2005	49.76	18.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-3	3/1/2005	49.68	18.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-4	3/1/2005	51.23	18.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-5	3/1/2005	49.17	18.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-6	3/1/2005	50.28	18.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-7	3/1/2005	51.20	17.32	—	290	150	1.2	17	7.5	3.9	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25	
MW-8	3/1/2005	51.66	18.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-9	3/1/2005	51.78	17.59	—	40000	1300	6700	1500	9600	220	<500	<500	<500	<500	<500	<500	<2500	
MW-10	3/1/2005	50.72	17.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-11	3/1/2005	51.90	18.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
MW-12	3/1/2005	52.89	18.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Notes: Analyzed by EPA method 8260B.

Definitions:

feet* = Feet above mean sea level, ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), LPH= Liquid Phase Hydrocarbons, Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, DIPE = Di-isopropyl Ether, ETBE = Ethyl tert-Butyl Ether, TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, -- = Not Measured/Not Sampled, DTW = Depth to Water, DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons.

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Thickness (feet)	LPH	Ethyl-			Total			
						Benzene [1]	Toluene [2]	Xylenes [2]	MTBE [3]	DIPN [4]	ETBE [4]	TAME [4]
MW-1 99.72	3/5/97 5/16/97 9/29/97	51.86 51.83 52.02	47.86 47.89 47.70	17.73 17.76 17.57	-	14000 100000 100000	4900 130000 130000	2000 32000 32000	1400 2600 2600	ND ND ND	-	-
	11/12/97	52.01	47.71	17.58	-	100000	130000	20000	2400	15000	ND	-
	1/22/98	52.03	47.69	17.56	-	100000	120000	30000	2300	14000	ND	-
	4/8/98	51.82	47.90	17.77	-	120000	150000	32000	2300	15000	ND	-
	8/27/98	51.96	47.76	17.63	-	130000	180000	41000	3200	19000	ND	-
	10/13/98	51.69	48.03	17.90	-	47000	6000	13000	970	5200	ND	-
	1/25/99	51.64	48.08	17.95	-	120000	160000	41000	3200	19000	ND	-
	2/19/99	51.58	48.14	18.01	-	150000	140000	34000	2800	17000	1800	-
	4/26/99	51.51	48.21	18.03	-	140000	180000	40000	3100	17000	<2000	-
	9/24/99	51.70	48.02	17.89	Sheen	-	-	-	-	-	-	-
	12/3/99	51.50	48.22	18.09	Sheen	-	-	-	-	-	-	-
	3/31/00	52.52	47.20	17.07	Sheen	-	-	-	-	-	-	-
	6/14/00	51.54	48.18	18.05	Sheen	-	-	-	-	-	-	-
	9/15/00	51.66	48.06	17.93	Sheen	-	-	-	-	-	-	-
	11/15/00	51.67	48.06	17.93	0.01	-	-	-	-	-	-	-
	3/30/01	51.39	48.33	18.20	Sheen	-	-	-	-	-	-	-
	6/14/01	51.35	48.40	18.27	0.04	-	-	-	-	-	-	-
	8/20/01	51.33	48.42	18.29	0.04	130000	110000	36000	3900	26000	-	<2000
	12/10/01	51.26	48.50	18.37	0.05	-	-	-	-	-	-	<25000
	1/23/02	51.41	48.37	18.24	0.08	-	-	-	-	-	-	-
	4/12/02	51.27	48.49	18.36	0.05	-	-	-	-	-	-	-
69.59	7/11/02	51.28	18.34	-	0.04	-	-	-	-	-	-	-
	10/16/02	51.21	18.39	-	0.01	-	-	-	-	-	-	-
	1/10/03	-	-	-	-	86000	6300	20000	2100	19000	-	<800
	4/28/03	52.40	17.19	-	-	82000	11000	22000	2000	17000	-	<400
	8/11/03	51.80	17.79	-	-	Sheen	-	-	-	-	-	-
	11/25/03	52.70	16.89	-	-	Sheen	-	-	-	-	-	-
	02/05/04	52.75	16.84	-	-	Sheen	-	-	-	-	-	-
	5/10/04	52.66	16.93	-	-	Sheen	-	-	-	-	-	-
	8/11/04	52.71	16.88	-	-	Sheen	-	-	-	-	-	-
	11/5/04	52.71	16.88	-	-	Sheen	62000	3100	10000	2000	11000	-
	3/1/05	52.14	17.45	-	-	Sheen	41000	4900	5900	1600	7600	-
MW-2 98.16	3/5/97 5/16/97 9/29/97	50.75 50.70 50.96	47.41 47.46 47.20	17.27 17.32 17.06	-	14000 1500 2600	490 330 620	ND ND ND	ND 27 7.7	ND 31 22	ND ND ND	<500 <500 <500
	11/12/97	50.91	47.25	17.11	-	2300	200	ND	5.7	ND	ND	ND
	1/22/98	50.98	47.18	17.04	-	1000	220	ND	8.2	ND	ND	<500
									430	<500	<500	<500

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation *** (feet)	LPH (feet)	Thickness (ppb)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	benzene [2] µg/l (ppb)	xylens [2] µg/l (ppb)	Total MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	DIPPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MVN-2 continued	4/8/98	50.75	47.41	17.27	-	580	60	ND	0.75	2.2	4.6	16	-	-	-	-	
	8/27/98	50.90	47.26	17.12	-	ND	9.1	0.62	ND	ND	ND	ND	-	-	-	-	
	10/3/98	50.61	47.55	17.41	-	ND	8.7	0.80	0.80	1.6	ND	ND	-	-	-	-	
	1/25/99	50.52	47.64	17.50	-	ND	2.3	1.9	2.5	12	<10	-	-	-	-	-	
	2/19/99	50.60	47.56	17.42	-	690	10	<0.50	1.5	4.5	<10	-	-	-	-	-	
	4/26/99	50.47	47.69	17.55	-	570	9.8	<0.50	3.9	<10	-	-	-	-	-	-	
	9/24/99	50.58	47.58	17.44	-	<500	9.4	<0.50	4.2	<10	-	-	-	-	-	-	
	12/3/99	50.58	47.58	17.44	-	<500	3.4	1.4	2.2	4.2	-	-	-	-	-	-	
	3/31/00	50.49	47.67	17.53	-	530	9.3	2.0	<0.50	6.9	1.9	-	-	-	-	-	
	6/14/00	50.52	47.64	17.50	-	<500	7.1	<0.50	<0.50	3.6	1.2	-	-	-	-	-	
	9/15/00	50.58	47.58	17.44	-	<500	7.4	1.5	<0.50	5.9	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	11/15/00	50.68	47.48	17.34	-	<500	6.6	0.50	<0.50	3.1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/30/01	50.32	47.84	17.70	-	<500	1.2	0.98	<0.50	5.2	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/14/01	50.25	47.91	17.77	-	<500	13	<0.50	0.52	2.1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	8/20/01	50.25	47.91	17.77	-	-	-	-	-	-	-	-	-	-	-	-	
	12/10/01	50.15	48.01	17.87	-	<500	4.8	<0.50	0.73	4.8	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	1/23/02	50.26	47.90	17.76	-	-	-	-	-	-	-	-	-	-	-	-	
	4/12/02	50.15	48.01	17.87	-	<500	3.3	<0.50	2.2	4.4	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	
68.02	7/11/02	50.17	17.85	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/6/02	50.17	17.85	-	-	<500	0.61	<0.50	0.67	3.4	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	1/10/03	50.10	17.92	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/28/03	50.00	18.02	-	-	<500	<0.50	<0.50	0.50	1.6	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	8/11/03	49.80	18.22	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/25/03	50.30	17.72	-	-	<500	2.7	<0.50	0.79	<1.5	<1.0	<5.0	<5.0	<5.0	<5.0	35	
	02/05/04	50.41	17.61	-	-	<500	0.88	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<5.0	<25	
	5/10/04	50.28	17.74	-	-	<100	0.89	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<5.0	<25	
	8/11/04	50.38	17.64	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/5/04	50.35	17.67	-	-	100	1.2	<0.50	<0.50	<1.5	1.2	<5.0	<5.0	<5.0	<5.0	<25	
	3/1/05	49.76	18.26	-	-	-	-	-	-	-	-	-	-	-	-	-	
MVN-3	3/5/97	50.90	47.27	17.11	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
98.17	5/16/97	50.65	47.52	17.36	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	9/29/97	50.92	47.25	17.09	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	1/12/97	51.05	47.12	16.96	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	1/22/98	50.92	47.25	17.09	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	4/8/98	50.69	47.48	17.32	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	8/27/98	50.83	47.34	17.18	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	10/3/98	50.48	47.69	17.53	-	ND	ND	ND	ND	ND	ND	-	-	-	-	-	
	1/25/99	50.55	47.62	17.46	-	ND	ND	1.5	ND	ND	ND	-	-	-	-	-	
	2/19/99	50.46	47.71	17.55	-	<500	<0.50	2.1	<0.50	<1.5	<10	-	-	-	-	-	

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)	Corrected Groundwater Elevation *** (feet)	LPH Thickness (feet)	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total MTBE [3]	MTBE [4]	DIPE [4]	ETBEE [4]	TAME [4]	TBA [4]
MW-3 continued	4/26/99	50.39	47.78	17.62	<500	<0.50	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	9/24/99	50.58	47.59	17.43	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	12/3/99	50.47	47.70	17.54	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	3/31/00	50.44	47.73	17.57	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	6/14/00	50.47	47.70	17.54	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	9/15/00	50.55	47.62	17.46	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	11/15/00	50.52	47.65	17.49	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	3/30/01	50.32	47.85	17.69	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	6/14/01	50.23	47.94	17.78	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	8/20/01	50.21	47.96	17.80	-	-	-	-	-	-	-	-	-	-	-	-
	12/10/01	50.22	47.95	17.79	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	1/23/02	50.16	48.01	17.85	-	-	-	-	-	-	-	-	-	-	-	-
	4/12/02	50.11	48.06	17.90	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
68.01	7/11/02	50.13	17.88	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/16/02	50.11	17.90	-	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	1/10/03	50.04	17.97	-	-	-	-	-	-	-	-	-	-	-	-	-
	4/28/03	50.00	18.01	-	-	<500	<0.50	0.51	<1.5	<10	-	-	-	-	-	-
	8/11/03	50.15	17.86	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/25/03	50.17	17.84	-	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	02/05/04	50.34	17.67	-	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	5/10/04	50.25	17.76	-	-	<100	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	8/11/04	50.33	17.68	-	-	-	-	-	-	-	-	-	-	-	-	-
	11/5/04	50.34	17.67	-	-	<100	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	3/1/05	49.68	18.33	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	5/16/97	52.19	47.81	17.66	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
100.00	9/29/97	52.37	47.63	17.48	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	11/12/97	52.36	47.64	17.49	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	1/22/98	52.42	47.58	17.43	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	4/8/98	52.18	47.82	17.67	-	ND	0.74	ND	ND	ND	-	-	-	-	-	-
	8/27/98	52.32	47.68	17.53	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	10/13/98	51.98	48.02	17.87	-	ND	ND	ND	ND	ND	-	-	-	-	-	-
	1/25/99	51.97	48.03	17.88	-	ND	ND	0.56	ND	ND	-	-	-	-	-	-
	2/19/99	51.94	48.06	17.91	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	4/26/99	51.89	48.11	17.96	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	9/24/99	52.01	47.99	17.84	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	12/3/99	51.93	48.07	17.92	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	3/31/00	51.92	48.08	17.93	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	6/14/00	51.93	48.07	17.92	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-
	9/15/00	52.01	47.99	17.84	-	<500	<0.50	<0.50	<1.5	<10	-	-	-	-	-	-

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Thickness *** (feet)	LPH				Ethylbenzene				Total			
					Benzene [1]	Toluene [2]	xylanes [2]	Total	MTEB [3]	MTEB [4]	DPE [4]	ETBE [4]	TAME [4]	TBA [4]		
MW-4 continued	11/15/00	52.04	47.96	17.81	<500	<0.50	<0.50	<0.50	<1.5	<1.0	—	—	—	—	—	—
6/14/01	51.79	48.21	18.06	—	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
8/20/01	51.71	48.27	18.12	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	—
12/10/01	51.61	48.39	18.24	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
1/23/02	51.71	48.29	18.14	—	—	—	—	—	—	—	—	—	—	—	—	—
4/12/02	51.63	48.37	18.22	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
69.85	7/11/02	51.66	18.19	—	—	—	—	—	—	—	—	—	—	—	—	—
	10/16/02	51.59	18.26	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	1/10/03	51.58	18.27	—	—	—	—	—	—	—	—	—	—	—	—	—
	4/28/03	51.55	18.30	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	8/11/03	51.62	18.23	—	—	—	—	—	—	—	—	—	—	—	—	—
	11/25/03	51.61	18.24	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	2/05/04	51.80	18.05	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	5/10/04	51.76	18.09	—	<100	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	8/11/04	51.84	18.01	—	—	—	—	—	—	—	—	—	—	—	—	—
	11/15/04	51.85	18.00	—	<100	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—	<25
	3/1/05	51.23	18.62	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-5	5/16/97	50.25	47.29	17.12	—	ND	0.94	ND	ND	1.5	—	—	—	—	—	—
97.54	9/29/97	50.44	47.10	16.93	—	700	17	8.7	7.2	23	ND	—	—	—	—	—
	11/12/97	50.43	47.11	16.94	—	610	7.0	1.1	4.0	9.6	ND	—	—	—	—	—
	1/22/98	50.47	47.07	16.90	—	540	6.1	2.2	4.4	4.6	ND	—	—	—	—	—
	4/8/98	50.25	47.29	17.12	—	ND	6.5	1.0	0.77	2.9	ND	—	—	—	—	—
	8/27/98	50.39	47.15	16.98	—	1100	31	6.6	9.8	20	34	—	—	—	—	—
	10/13/98	50.08	47.46	17.29	—	810	11	1.9	0.83	5.3	ND	—	—	—	—	—
	1/25/99	50.05	47.49	17.32	—	570	4.5	0.71	2.1	9.0	ND	—	—	—	—	—
	2/19/99	50.08	47.46	17.29	—	<500	5.1	2.1	<0.50	5.6	<10	—	—	—	—	—
	4/26/99	50.01	47.53	17.36	—	<500	11	1.4	5.0	9.8	25	—	—	—	—	—
	9/24/99	50.14	47.40	17.23	—	590	11	2.4	<0.50	8.9	<10	—	—	—	—	—
	12/3/99	50.09	47.45	17.28	—	<500	6.8	2.0	1.9	7.6	<10	—	—	—	—	—
	3/31/00	50.07	47.47	17.30	—	<500	4.6	<0.50	1.4	4.6	1.7	—	—	—	—	—
	6/14/00	50.08	47.46	17.29	—	<500	6.4	0.84	3.0	1.0	1.7	—	—	—	—	—
	9/15/00	50.16	47.38	17.21	—	<500	6.6	1.7	2.8	1.3	<1.0	14	<5.0	<5.0	67	
	11/15/00	50.26	47.28	17.11	—	510	13	3.0	1.9	7.6	<1.0	9.4	<5.0	<5.0	63	
	3/30/01	49.93	47.61	17.44	—	<500	9.6	2.6	2.2	1.1	<1.0	13	<5.0	<5.0	90	
	6/14/01	49.85	47.69	17.52	—	<500	<0.50	<0.50	<1.5	<1.5	<1.0	5.9	<5.0	<5.0	<50	
	8/20/01	49.83	47.71	17.54	—	—	—	—	—	<1.0	—	—	—	—	—	
	12/10/01	49.74	47.80	17.63	—	<500	2.5	0.58	0.51	2.1	<1.0	5.3	<2.0	<2.0	38	

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)	Corrected Elevation *** (feet)	LPH		benzene [1] µg/l (ppb)	Toluene [2] µg/l (ppb)	xylens [2] µg/l (ppb)	Total	MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	DIPPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
					Groundwater Thickness (feet)	TPH-g [1] µg/l (ppb)										
MW-5 continued	1/23/02	49.85	47.69	17.52	—	<500	1.5	<0.50	<1.5	—	2.6	3.5	<2.0	<2.0	—	—
67.37	4/12/02	49.74	47.80	17.63	—	—	5.3	1.2	1.4	3.9	—	11	4.7	<2.0	<2.0	32
	7/11/02	49.77	17.60	—	—	<500	—	—	—	—	—	—	—	—	—	—
	10/16/02	49.74	17.63	—	—	—	—	—	—	—	—	—	—	—	—	33
	11/10/03	49.71	17.66	—	—	<500	0.75	<0.50	<1.5	—	25	6.1	<2.0	<2.0	—	—
	4/28/03	49.70	17.67	—	—	<500	—	—	—	—	—	—	—	—	—	29
	8/11/03	50.10	17.27	—	—	—	—	—	—	—	—	—	—	—	—	—
	11/25/03	49.72	17.65	—	—	<500	<0.50	<0.50	<1.5	—	—	—	—	—	—	—
	02/05/04	49.95	17.42	—	—	<500	<0.50	<0.50	<1.5	—	17	<5.0	<5.0	<5.0	<5.0	30
	5/10/04	49.88	17.49	—	—	220	<0.50	<0.50	<1.5	—	18	5.5	<5.0	<5.0	<5.0	37
	8/11/04	49.94	17.43	—	—	—	—	—	—	—	—	—	—	—	—	—
	11/05/04	49.92	17.45	—	—	<100	<0.50	<0.50	<1.5	—	—	<5.0	<5.0	<5.0	<5.0	<25
	3/1/05	49.17	18.20	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-6	5/16/97	51.18	47.55	17.38	—	ND	0.70	ND	ND	ND	ND	ND	—	—	—	—
98.73	9/29/97	51.48	47.25	17.08	—	ND	1.6	ND	ND	ND	ND	ND	—	—	—	—
	11/12/97	51.47	47.26	17.09	—	ND	5.5	ND	ND	ND	2.1	4.8	ND	—	—	—
	1/22/98	51.49	47.24	17.07	—	1200	—	ND	ND	ND	ND	8.0	ND	—	—	—
	4/8/98	51.30	47.43	17.26	—	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—
	8/27/98	51.47	47.26	17.09	—	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—
	10/13/98	51.14	47.59	17.42	—	ND	ND	ND	ND	ND	ND	ND	ND	—	—	—
	1/25/99	51.04	47.69	17.52	—	ND	ND	1.6	ND	ND	ND	ND	ND	—	—	—
	2/19/99	51.04	47.69	17.52	—	<500	0.56	10	<0.50	<10	—	—	—	—	—	—
	4/26/99	50.98	47.75	17.58	—	<500	0.52	1.0	<0.50	<10	—	—	—	—	—	—
	9/24/99	51.14	47.59	17.42	—	<500	0.83	<0.50	<1.5	<10	—	—	—	—	—	—
	12/3/99	51.11	47.62	17.45	—	<500	0.66	0.69	<10	—	—	—	—	—	—	—
	3/31/00	51.04	47.69	17.52	—	<500	0.65	<0.50	<1.5	2.4	—	—	—	—	—	—
	6/14/00	51.05	47.68	17.51	—	<500	0.86	0.89	<0.50	<1.5	2.5	—	—	—	—	—
	9/15/00	51.09	47.64	17.47	—	<500	1.2	<0.50	<0.50	<1.5	—	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	51.18	47.55	17.38	—	<500	0.70	<0.50	<1.5	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<50
	3/30/01	50.88	47.85	17.68	—	<500	1.4	<0.50	3.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<50
	6/14/01	50.85	47.88	17.71	—	<500	<0.50	<0.50	<1.5	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<50
	8/20/01	50.77	47.96	17.79	—	—	—	—	—	—	—	—	—	—	—	—
	12/10/01	50.70	48.03	17.86	—	<500	0.84	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<25
	1/23/02	50.79	47.94	17.77	—	—	—	—	—	—	—	—	—	—	—	—
	4/12/02	50.70	48.03	17.86	—	<500	<0.50	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<25
	68.56	7/11/02	50.70	17.86	—	—	<500	<0.50	<0.50	<1.5	<1.0	<2.0	<2.0	<2.0	<2.0	<25
	10/16/02	50.71	17.85	—	—	<500	<0.50	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<25
	11/03/03	50.63	17.93	—	—	<500	<0.50	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<25
	4/28/03	50.60	17.96	—	—	<500	<0.50	1.10	<0.50	<1.5	<1.0	<2.0	<2.0	<2.0	<2.0	<25

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Thickness*** (feet)	LPH	Toluene [2] µg/L (ppb)	Xylenes [2] µg/L (ppb)	Ethylbenzene [2] µg/L (ppb)	Total Xylenes [2] µg/L (ppb)	MTBE [3] µg/L (ppb)	MTBE [4] µg/L (ppb)	DIPPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-6 continued	8/11/03	50.60	17.96	--	--	<500	<0.50	0.77	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-6 continued	11/25/03	50.81	17.75	--	--	<500	1.1	<0.50	4.4	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-6 continued	02/05/04	50.96	17.60	--	--	<500	2.2	<0.50	3.8	<1.5	--	1.4	<5.0	<5.0	<25
MW-6 continued	5/10/04	50.84	17.72	--	--	<100	--	--	--	--	--	--	--	--	--
MW-6 continued	8/11/04	50.91	17.65	--	--	--	--	--	--	--	--	--	--	--	--
MW-6 continued	11/5/04	50.82	17.74	--	--	<100	<0.50	0.54	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-6 continued	3/1/05	50.28	18.28	--	--	--	--	--	--	--	--	--	--	--	--
MW-7															
MW-7	5/16/97	50.94	47.74	17.58	--	2100	1000	ND	77	190	--	--	--	--	--
MW-7	9/29/97	51.11	47.57	17.41	--	3700	1800	16	120	140	ND	--	--	--	--
MW-7	11/12/97	51.19	47.49	17.33	--	5500	1900	ND	160	170	11	--	--	--	--
MW-7	1/22/98	51.23	47.45	17.29	--	6400	2900	41	170	110	ND	--	--	--	--
MW-7	4/8/98	51.01	47.67	17.51	--	7400	2400	24	140	82	ND	--	--	--	--
MW-7	8/27/98	51.13	47.55	17.39	--	4100	1200	17	110	46	ND	--	--	--	--
MW-7	10/13/98	50.85	47.83	17.67	--	1800	750	ND	30	33	ND	--	--	--	--
MW-7	1/25/99	50.83	47.85	17.69	--	2200	680	21	72	57	ND	--	--	--	--
MW-7	2/19/99	50.74	47.94	17.78	--	3100	1100	18	58	25	<400	--	--	--	--
MW-7	4/26/99	50.69	47.99	17.83	--	5700	1500	26	68	55	<400	--	--	--	--
MW-7	9/24/99	50.88	47.80	17.64	--	2900	1100	<12	51	32	<400	--	--	--	--
MW-7	12/3/99	50.76	47.92	17.76	--	2400	760	16	46	22	13	--	--	--	--
MW-7	3/31/00	50.72	47.96	17.80	--	2500	890	<10	36	<30	53	--	--	--	--
MW-7	6/14/00	50.75	47.93	17.77	--	1700	720	<10	23	<30	33	--	--	--	--
MW-7	9/15/00	50.87	47.81	17.65	--	1500	470	11	24	41	--	<2.0	10	<10	<10
MW-7	11/15/00	50.90	47.78	17.62	--	1300	470	7.5	19	23	--	<1.0	8.1	<5.0	<110
MW-7	3/30/01	50.59	48.09	17.93	--	1300	310	<5.0	8.2	<15	--	<1.0	6.1	<5.0	88
MW-7	6/14/01	50.55	48.13	17.97	--	1100	360	<5.0	7.0	<15	--	<1.0	<5.0	<5.0	65
MW-7	8/20/01	50.48	48.20	18.04	--	570	160	<2.5	42	12	--	3.3	2.4	<2.0	41
MW-7	12/10/01	50.41	48.27	18.11	--	970	130	2.2	120	<6.0	--	<1.0	3.8	<2.0	62
MW-7	1/23/02	50.50	48.18	18.02	--	950	72	<5.0	130	<15	--	<1.0	2.7	<2.0	52
MW-7	4/12/02	50.39	48.29	18.13	--	900	68	<5.0	140	<15	--	<1.0	2.5	<2.0	47
MW-7	7/11/02	50.40	18.12	--	--	850	150	<2.5	120	94	--	1.6	3.5	<2.0	52
MW-7	10/16/02	50.42	18.10	--	--	830	180	<5.0	86	<15	--	3.0	2.9	<2.0	52
MW-7	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-7	4/28/03	51.50	17.02	--	--	<500	14	2.1	13	2.1	--	1.4	<2.0	<2.0	<25
MW-7	8/11/03	51.60	16.92	--	--	<500	39	1.3	26	4.4	--	1.2	<2.0	<2.0	<25
MW-7	11/25/03	51.62	16.90	--	--	<500	51	1.4	9.6	3.9	--	1.8	<5.0	<5.0	65
MW-7	02/05/04	51.76	16.76	--	--	<500	47	1.4	3.4	5.8	--	2.0	<5.0	<5.0	86
MW-7	5/10/04	51.68	16.84	--	--	870	350	10	27	63	--	4.7	<20	<20	<100
MW-7	8/11/04	51.75	16.77	--	--	1400	280	8.6	53	42	--	<4.0	<20	<20	<100
MW-7	11/5/04	51.63	16.89	--	--	770	160	3.9	32	19	--	6.3	<10	<10	<50
MW-7	3/7/05	51.12	17.32	--	--	290	150	1.2	17	7.5	--	3.9	<5.0	<5.0	<25
MW-8	5/16/97	52.38	48.24	18.12	--	ND	0.81	ND	ND	ND	--	--	--	--	--
MW-8	9/29/97	52.79	47.83	17.71	--	510	43	ND	18	3.9	24	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation *** (feet)	LPH Thickness (feet)	TPH-g [1]	Benzene [2]	Toluene [2]	Ethylbenzene [2]	Xylenes [2]	Total MTBE [3]	MTBE [4]	DIPE [4]	ETBE [4]	TAME [4]	TBA [4]
MW-8 continued	1/1/12/97	52.78	47.84	17.72	—	ND	37	0.80	11	1.7	ND	—	—	—	—	—
	1/22/98	52.81	47.81	17.69	—	270	15	0.50	3.0	ND	10	—	—	—	—	—
	4/8/98	52.61	48.01	17.89	—	600	30	0.60	6.8	ND	33	—	—	—	—	—
	8/27/98	52.76	47.86	17.74	—	ND	17	ND	3.0	ND	54	—	—	—	—	—
	10/1/98	52.44	48.18	18.06	—	ND	9.8	ND	1.5	ND	23	—	—	—	—	—
	1/25/99	52.41	48.21	18.09	—	ND	8.7	ND	1.4	ND	46	—	—	—	—	—
	2/19/99	52.33	48.29	18.17	—	<500	16	4.1	20	26	—	—	—	—	—	—
	4/26/99	52.29	48.33	18.21	—	<500	14	3.4	<0.50	<1.5	33	—	—	—	—	—
	9/24/99	52.42	48.20	18.08	—	<500	3.3	<0.50	<0.50	<1.5	70	—	—	—	—	—
	12/3/99	52.39	48.23	18.11	—	<500	2.7	1.6	2.6	<1.5	31	—	—	—	—	—
	3/31/00	52.33	48.29	18.17	—	<500	2.4	<0.50	0.58	3.3	160	—	—	—	—	—
	6/14/00	52.33	48.29	18.17	—	<500	<0.50	<0.50	<0.50	<1.5	50	—	—	—	—	—
	9/15/00	52.38	48.24	18.12	—	<500	2.4	<0.50	<0.50	2.3	—	130	<5.0	<5.0	77	—
	11/15/00	52.48	48.14	18.02	—	<500	1.4	0.58	<0.50	<1.5	—	200	<5.0	<5.0	100	—
	3/30/01	52.19	48.43	18.31	—	<500	0.61	<0.50	<0.50	<1.5	—	160	<5.0	<5.0	98	—
	6/14/01	52.16	48.46	18.34	—	<500	0.68	<0.50	<0.50	1.5	—	250	<5.0	<5.0	51	—
	8/20/01	52.09	48.53	18.41	—	—	—	—	—	—	—	—	—	—	—	—
	12/10/01	52.01	48.61	18.49	—	<500	<0.50	<0.50	<0.50	<1.5	—	73	<2.0	<2.0	<2.0	<25
	1/23/02	52.10	48.52	18.40	—	—	—	—	—	—	—	—	—	—	—	—
	4/12/02	52.12	48.50	18.38	—	<500	<0.50	<0.50	<0.50	<1.5	—	120	<2.0	<2.0	<2.0	49
	7/11/02	52.02	48.48	18.48	—	—	—	—	—	—	—	—	—	—	—	—
	10/16/02	51.99	48.51	18.51	—	<500	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	35
	11/10/03	51.91	48.59	18.59	—	—	—	—	—	—	—	—	—	—	—	—
	4/28/03	51.85	48.65	18.65	—	<500	<0.50	<0.50	<0.50	<1.5	—	30	<2.0	<2.0	<2.0	<25
	8/11/03	52.00	48.50	18.50	—	—	—	—	—	—	—	—	—	—	—	—
	11/25/03	52.15	48.35	18.35	—	<500	<0.50	<0.50	<0.50	<1.5	—	16	<5.0	<5.0	<25	—
	02/05/04	52.26	48.24	18.24	—	<500	<0.50	<0.50	<0.50	<1.5	—	12	<5.0	<5.0	<25	—
	5/10/04	52.18	48.32	18.32	—	<100	<0.50	<0.50	<0.50	<1.5	—	13	<5.0	<5.0	<25	—
	8/11/04	52.22	48.28	18.28	—	<100	<0.50	<0.50	<0.50	<1.5	—	—	—	—	—	—
	11/5/04	52.14	48.36	18.36	—	<100	<0.50	<0.50	<0.50	<1.5	—	6.5	<5.0	<5.0	<25	—
	3/1/05	51.66	48.84	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-9	5/16/97	51.60	47.95	17.77	—	8000	380	2600	260	1900	—	—	—	—	—	—
99.55	9/29/97	51.80	47.75	17.57	—	72000	7300	35000	2600	17000	1400	—	—	—	—	—
	11/12/97	51.79	47.76	17.58	—	63000	4400	1600	10000	ND	—	—	—	—	—	—
	1/22/98	51.81	47.74	17.56	—	34000	2100	8400	860	5200	ND	—	—	—	—	—
	4/8/98	51.60	47.95	17.77	—	77000	7400	25000	2200	10000	1200	—	—	—	—	—
	8/27/98	51.76	47.79	17.61	—	74000	7500	20000	2600	7900	2500	—	—	—	—	—
	10/13/98	51.45	48.10	17.92	—	30000	2200	8000	860	3400	ND	—	—	—	—	—
	1/25/99	51.39	48.16	17.98	—	80000	5700	28600	3000	13000	ND	—	—	—	—	—

Table 3
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Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation *** (feet)	LPH thickness (feet)	TPH-g [1] ug/l (ppb)	Benzene [2] ug/l (ppb)	Toluene [2] ug/l (ppb)	Ethylbenzene [2] ug/l (ppb)	Xylenes [2] ug/l (ppb)	MTBE [3] ug/l (ppb)	MTBE [4] ug/l (ppb)	DIPPE [4] ug/l (ppb)	ETBEE [4] ug/l (ppb)	TAME [4] ug/l (ppb)	TBA [4] ug/l (ppb)
MW-9 continued	2/19/99	51.30	48.25	18.07	—	51000	3300	17000	1700	<1000	—	—	—	—	—	
	4/26/99	51.27	48.28	18.10	—	43000	2500	13000	1300	5000	1500	—	—	—	—	
	9/24/99	51.43	48.12	17.94	Sheen	—	—	—	—	—	—	—	—	—	—	
	12/3/99	51.36	48.19	18.01	Sheen	—	—	—	—	—	—	—	—	—	—	
	3/31/00	51.31	48.24	18.06	Sheen	—	—	—	—	—	—	—	—	—	—	
	6/14/00	51.33	48.22	18.04	Sheen	—	—	—	—	—	—	—	—	—	—	
	9/15/00	51.44	48.11	17.93	Sheen	—	—	—	—	—	—	—	—	—	—	
	11/15/00	51.44	48.11	17.93	Sheen	—	—	—	—	—	—	—	—	—	—	
	3/30/01	51.19	48.36	18.18	Sheen	—	—	—	—	—	—	—	—	—	—	
	6/14/01	51.16	48.40	18.21	0.01	—	—	—	—	—	—	—	—	—	—	
	8/20/01	51.08	48.47	18.29	Sheen	75000	2900	18000	3200	22000	—	180	<200	<200	<2500	
	12/10/01	51.00	48.55	18.37	Sheen	—	—	—	—	—	—	—	—	—	—	
	1/23/02	51.11	48.44	18.26	Sheen	—	—	—	—	—	—	—	—	—	—	
	4/12/02	51.01	48.54	18.36	Sheen	—	—	—	—	—	—	—	—	—	—	
	7/11/02	51.01	18.36	—	Sheen	—	—	—	—	—	—	—	—	—	—	
69.37	10/16/02	50.98	18.39	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	11/10/03	—	—	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	4/28/03	52.01	17.36	—	Sheen	20000	760	2100	1300	6700	—	140	<40	<40	<500	
	8/11/03	52.10	17.27	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	11/25/03	52.18	17.19	—	Sheen	47000	1400	5900	2600	13000	—	220	<200	<200	<1000	
	2/05/04	52.46	16.91	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	5/10/04	52.27	17.10	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	8/11/04	52.35	17.02	—	Sheen	—	—	—	—	—	—	—	—	—	—	
	11/5/04	52.34	17.03	—	Sheen	17000	46	<10	1300	1800	—	210	<100	<100	530	
	3/10/05	51.78	17.59	—	Sheen	40000	1300	6700	1500	9600	—	220	<500	<500	<2500	
MW-10	1/25/99	51.44	46.78	16.63	—	ND	ND	<0.50	<0.50	<0.50	<1.5	ND	—	—	—	
98.22	4/26/99	51.41	46.81	16.66	—	<500	<500	<0.50	<0.50	<0.50	<1.5	14	—	—	—	
	9/24/99	51.56	46.66	16.51	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<10	—	—	—	
	12/3/99	51.46	46.76	16.61	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<10	—	—	—	
	3/31/00	51.45	46.77	16.62	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	—	—	—	
	6/14/00	51.43	46.79	16.64	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	—	—	—	
	9/15/00	51.51	46.71	16.56	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<5.0	<50	
	11/15/00	51.54	46.68	16.53	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<5.0	<50	
	3/30/01	51.27	46.95	16.80	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<5.0	<50	
	6/14/01	51.19	47.03	16.88	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<5.0	<50	
	8/20/01	51.18	47.04	16.89	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	
	12/10/01	51.10	47.12	16.97	—	<500	<500	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<2.0	<2.0	

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Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Thickness *** (feet)	LPH				Total			
					Benzene [1]	Toluene [2]	xylens [2]	MTBE [3]	DIPN [4]	ETBNE [4]	TAME [4]	TBA [4]
MW-10 continued 68.07	1/23/02	51.08	47.14	16.99	-	<0.50	<0.50	<0.50	<1.5	<2.0	<2.0	<2.0 <25
	4/12/02	-	-	-	-	-	-	-	-	-	-	-
	7/11/02	-	-	-	-	<0.50	<0.50	<0.50	<1.5	<2.0	<2.0	<2.0 <25
	10/16/02	51.04	17.03	-	-	<0.50	<0.50	<0.50	-	-	-	-
	1/10/03	51.02	17.05	-	-	-	-	-	-	-	-	-
	4/28/03	51.06	17.01	-	-	<0.50	1.2	<0.50	1.8	<2.0	<2.0	<2.0 <25
	8/11/03	51.07	17.00	-	-	-	-	-	-	-	-	-
	11/25/03	51.11	16.96	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	02/05/04	51.30	16.77	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	5/10/04	52.28	15.79	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	8/11/04	51.28	16.79	-	-	-	-	-	-	-	-	-
	11/15/04	51.37	16.70	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	3/1/05	50.72	17.35	-	-	-	-	-	-	-	-	-
MW-11 100.37	1/25/99	52.60	47.77	17.60	-	ND	ND	ND	ND	ND	ND	ND
	4/26/99	52.56	47.81	17.64	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0
	9/24/99	52.61	47.76	17.59	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0
	12/3/99	52.56	47.81	17.64	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0
	3/31/00	52.51	47.86	17.69	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0
	6/14/00	52.51	47.86	17.69	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0
	9/15/00	52.58	47.79	17.62	-	<0.50	<0.50	<0.50	<1.5	1.2	<1.0	<1.0 <50
	11/15/00	52.62	47.75	17.58	-	<0.50	<0.50	<0.50	<1.5	-	<1.0	<1.0 <50
	3/30/01	52.40	47.97	17.80	-	<0.50	<0.50	<0.50	<1.5	-	<1.0	<1.0 <50
	6/14/01	52.30	48.07	17.90	-	<0.50	<0.50	<0.50	<1.5	-	<1.0	<1.0 <50
	8/20/01	52.28	48.09	17.92	-	-	-	-	-	-	-	-
	12/10/01	52.18	48.19	18.02	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	1/23/02	52.29	48.08	17.91	-	-	-	-	-	-	-	-
	4/12/02	-	-	-	-	-	-	-	-	-	-	-
	7/11/02	-	-	-	-	-	-	-	-	-	-	-
	10/16/02	52.15	18.05	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	1/10/03	52.11	18.09	-	-	-	-	-	-	-	-	-
	4/28/03	52.10	18.10	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	8/11/03	52.49	17.71	-	-	-	-	-	-	-	-	-
	11/25/03	52.35	17.85	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	02/05/04	52.46	17.74	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	5/10/04	52.34	17.86	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	8/11/04	52.41	17.79	-	-	<0.50	<0.50	<0.50	<1.5	<1.0	<1.0	<1.0 <25
	11/5/04	52.42	17.78	-	-	-	-	-	-	-	-	-
	3/1/05	51.9	18.30	-	-	-	-	-	-	-	-	-
MW-12 101.80	1/25/99	53.57	48.23	18.08	-	27000	230	1600	1200	8700	ND	ND
	4/26/99	53.49	48.31	18.16	-	10000	200	280	320	1900	<400	<400
	9/24/99	53.57	48.23	18.08	-	3900	130	64	220	310	150	<5.0
	12/3/99	53.52	48.28	18.13	-	1200	52	34	51	140	60	<5.0

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						µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	µg/l (ppb)	
MW-12 continued	3/31/00	53.51	48.29	18.14	-	2500	130	31	9.7	4.1	48	21	-	-	-	-	-	-	
	6/14/00	53.51	48.29	18.14	-	770	52	11	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/15/00	53.57	48.23	18.08	-	520	37	6.2	25	4.5	17	11	-	<1.0	<5.0	<5.0	<5.0	<5.0	
	11/15/00	53.64	48.16	18.01	-	<500	18	4.5	-	-	-	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/30/01	53.38	48.42	18.27	-	<500	28	4.4	24	9.9	-	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	6/14/01	53.37	48.43	18.28	-	630	12	3.3	5.8	14	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	8/20/01	53.28	48.52	18.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/10/01	53.18	48.62	18.47	-	<500	7.5	2.4	18	14	-	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	1/23/02	53.27	48.53	18.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/12/02	53.20	48.60	18.45	-	<500	1.0	<0.50	2.0	<1.5	-	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
71-65	7/11/02	53.16	18.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/16/02	53.19	18.46	-	-	<500	<0.50	<0.50	1.2	<1.5	-	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	1/10/03	53.11	18.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	4/28/03	53.10	18.55	-	-	<500	<0.50	<0.50	<0.50	<1.5	-	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	
	8/11/03	53.20	18.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/25/03	53.25	18.40	-	-	<500	0.64	<0.50	1.3	<1.5	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	02/05/04	53.35	18.30	-	-	<500	<0.50	<0.50	<0.50	<1.5	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	5/10/04	53.30	18.35	-	-	<100	1.5	<0.50	3.3	<1.5	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	8/11/04	53.34	18.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11/5/04	53.33	18.32	-	-	<100	<0.50	<0.50	<0.50	<1.5	-	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
	3/1/05	52.89	18.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:
[1] Historically analyzed by EPA method 8015B. Currently analyzed by EPA method 8260B.
[2] Historically analyzed by EPA method 8260B.

[3] Analyzed by EPA method 8021B. [4] Analyzed by EPA Method 8260B.
Definitions: feet* = Feet above mean sea level. ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), LPH= Liquid Phase Hydrocarbons, Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, ETBE = Ethyl tert-Butyl Ether, TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, — = Not Measured/Not Sampled, NA = Not Applicable, ND = Not Detected, DTW = Depth to Water, DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons. Monitoring and sampling activities conducted by SECOR after 2/1/03. GEIMS Global ID # T0607302116
Prior to 1st Quarter 1999 sampling event, laboratory results below reporting limits were presented as ND.